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Post-processing: Minimum Match 0%
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IAPP BOVIN
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5 fugu rubrip
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3 gallus gall
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CALCB HORSE
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Result No.

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Sequence:

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RESULT 1
                                       A Strausberg R.D., Feingold E.A., Grouse L.H., Derge J.G.,
A Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altochul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
A Long L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Long L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Long L., More S.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
A Rownstein M.J., Usdin T.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
A Roman S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Rosek S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunarathe P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Fahley J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
A Mitting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
A Rodriguez A.C., Grimwood J., Schmutz J., Wyers R.M.,
A Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
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Islet amyloid pc'

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Mammalia; Eutheria; E
Muroidea; Muridae; Mu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=C57BL/6J; TISSUE=Thymus; MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nishi M., Chan S.J., Nagamatsu S., Bell G.I., Steiner D.F., "Conservation of the sequence of islet amyloid polypeptide in five mammals is consistent with its putative role as an islet hormone. Proc. Natl. Acad. Sci. U.S.A. 86:5738-5742(1989).
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01-OCT-1989
                                                                                                                                                                                                                                                                                   Betsholtz C., Christmansson
Johnson K.H., Westermark P.;
"Sequence divergence in a sp
                                                                                                                                                                                                                                                                                                                                                    MEDLINE=89325677; PubMed=2666169;
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                                                                                                             adipocyte glucose metabolism. SUBCELLULAR LOCATION: Secreted. SIMILARITY: Belongs to the calc
                                                                                                                                                                                                                                                                                                                                                                                                                                       mouse
                                                                                                                                                                              utilization and glycogen
                                                                                                                                                                                                      FUNCTION:
                                  Swiss-Prot entry is copyright. It is produced through a collaboration een the Swiss Institute of Bioinformatics and the EMBL outstation - European Bioinformatics Institute. There are no restrictions on its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOUSE
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                                                                                                                                                                                                                                                                                                                                                                                                                                       cDNA sequences."
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Rel. 48, Last annotation
polypeptide precursor (r
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Euarchontoglires; Glires;
Murinae; Mus.
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lires; Rodentia; Sciurogna
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InterPro; IPRO01693; Calcitonin-like.
InterPro; IPRO01693; Calcitonin B.
InterPro; IPRO02163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
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01-OCT-1989 (Rel. 1
10-MAY-2005 (Rel. 4
Islet amyloid polyp
(DAP) (Amylin).
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P12969;
01-OCT-1989
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Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
Muroidea; Muridae; Murinae; Rattus.
NCBI_TaxID=10116;
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NUCLEOTIDE SEQUENCE.
STRALN=WAR; TISSUS=Liver;
MEDLINE=91027936, PubMed=2223885; DOI=10.1016/0167-4781(90)90210-S;
van Mansfeld A.D.M., Mosselman S., Hoeppener J.W.M., Zandberg J.,
van Teeffelen H.A.A.M., Baas P.D., Lips C.J.M., Jansz H.S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROPEP
MOD_RES
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MEDLINE-89240689; PubMed=2654937;
MAWGARD C.B., Okamoto
                                                                                                                                                                                                                                                                              Nishi M., Chan S.J., Nagamatsu S., Bell G.I., Steiner D.F.; "Conservation of the sequence of islet amyloid polypeptide mammals is consistent with its putative role as an islet ho Proc. Natl. Acad. Sci. U.S.A. 86:5738-5742(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rattus norvegicus (Rat).
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GO; GO:0005615; C:extracellular space;
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                                                                                                                                                     islets
                                                                                                                                                                                                                                                                                                                                                                MEDLINE=89345542;
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                                                                                                                                                                  ert J.D., Newgard C.B., Okamoto H., Namylin: cloning and tissue-specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C33542; C33542
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amyloid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Α,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             polypeptide precursor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sequencing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12,
12,
                                                                                                                                                                                                                                                                                                                                                                  PubMed=2668946;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       44
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74
93
74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cleavage on pair of basic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               92.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Last sequence update)
                                                                                                                               U.S.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mRNA.
Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 187; DB 1;
Pred. No. 2.2e-18;
L; Mismatches 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              group).
By similarity.
B135DBBC81475B15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tyrosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Islet amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Potential.
                                                                                                                               86:3127-3130(1989)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   in no way modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             n update)
(Diabetes-associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TAS
                                                                                                                                                                                             Milburn
                                                                                                                                                                         expression
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      polypeptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CRC64;
                                                                                                                                                                                             J.L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     this statement is
                                                                                                                                                                                           Luskey K.L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         93
                                                                                                                                                                         pancreatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sciurognathi;
                                                                                                                                                                                                                                                                                                    le in five
hormone.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             peptide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amide
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SOT TITTER A REAL PROPERTY OF THE PROPERTY OF 
                                                                   Query Match
Best Local S
Matches 34
                                                                                                                                                                                                                                                                                                                                                                         RGD; 2854; Iapp.
InterPro; IPR000443; Amylin.
InterPro; IPR0001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; 1.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                  DISULFID
SEQUENCE
                                                                                                                                                                                                                                                                                                   Direct
SIGNAL
                                                                                                                                                                                                                                   PEPTIDE
PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; M25390; AAA41359.1; -; mRNA.
EMBL; J04544; AAA40730.1; -; mRNA.
EMBL; S52820; CAA37003.1; -; Genomic DNA.
EMBL; X52821; CAA37003.1; JOINED; Genomic DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This Swiss-Prot entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the El the European Bioinformatics Institute. There are no resti
                                                                                                                                                                                                                MOD_RES
                                                                                                                                                                                                                                                                                                                                        PROSITE; PS00258; CALCITONIN; Amidation; Amyloid; Cleavage of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   [6]

NUCLEOTIDE SEQUENCE OF 38-74.

MEDLINE-89325677; PubMed-2666169; DOI=10.1016/0014-5793(89)81467-X;

MEDLINE-7 Christmansson L., Engstroem U., Rorsman F., Svensson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          [5]
PROTEIN SEQUENCE OF 38-74.
MEDLINE=90290528; Pubmed=2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            polypeptide
Biochem. Bio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Islet amyloid polypeptide: structure and upstream sequences of the IAPP gene in rat and man."; Blochim. Blophys. Acta 1087:235-240(1990).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ensembl; ENSRNOG00000012417; Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           not present in the brain or seven other tissues -i- SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                species.";
FEBS Lett.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    removed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Regional
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Isolation and sequence determination polypeptide.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=90026410;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence divergence in a specific region of (TAPP) explains differences in islet amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       utilization and glycogen deposition in musc adipocyte glucose metabolism.
SUBCELLULAR LOCATION: Secreted.
TISSUE SPECIFICITY: Abundant in the islets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INE=90290528; PubMed=2357234;
J., Nakazato M., Miyazato M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S13566; TCRTIA.
                                                                                                                                                                                                                                                                                                                    protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Long
                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90026410; PubMed=2679555;
Nakazato M., Kangawa K.,
KCNTATCATQRLANFLVHSSNNFGFILFFTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Biophys. Res.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Biophys. Res. Commun. 164:400-405(1989)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S.; distribution and molecular forms of rat islet amyloid
                                                                                                                                                    93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          as its content is in no
                                                                   Conservative
                                                                                                                                                  39
3AA;
                                                                                                                                                                                                             24
38
78
74
                                                                                                                                                                                                                                                                                              sequencing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OF 38-74.
                                                                                                                                                  10015
                                                                                                                                                                                                                                                                                                                                    Cleavage on pair of basic
                                                                                                                                                                          44
                                                                                                                                                                                                             35
74
93
74
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91
                                                                                     . 68
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                                                                                                                                                  MW.
                                                                                                                                                                                                                                                                                                                  Hormone;
                                                           Score 187; DB Pred. No. 2.2e 1; Mismatches
                                                                 1;
                                                                                                                                              group).
By similarity.
5A76C92E624DA962
                                                                                                                                                                                                             Tyrosine amide
                                                                                                                                                                                                                                                       Islet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
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ion of rat islet amyl
                                                                                                                                                                                                                                                   amyloid polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kangawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        way modified
                                                                                                                                                                                                                                                                                                                  Signal.
                                                      DB 1;
2.2e-18;
2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         K., Matsuo H.,
                                                                                                                                                                                                             (G-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         islet amyloid polypeptide
formation between
                                                                                                                                                                                                                                                                                                                                          residues;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of Langerhans
ssues examined
                                                                                                                                                  CRC64;
                                                                                                         Length
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                                                                   Indels
                                                                                                                                                                                                             provides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amyloid
                                                                                                         93;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        statement
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                                                                                                                                                                                                                amide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               outstation -
                                                                 Gaps
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RESULT 3
IAPP_CRIGR
ID IAPP_CRIGR
AC P19890;
      COCCEPTION
                                                                                                                                                                                                               RESULT 4
IAPP_MESAU
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                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local S
Matches 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PIR; S05037; S05037.

InterPro; IPR0100443; Amylin.
InterPro; IPR01693; Calcitonin-like.
InterPro; IPR01693; Calcitonin B.
InterPro; IPR012163; Calcitonin B.
Pfan; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00817; CALCITONINB.
SMART; SM00113; CALCITONIN; 1.
                                                                                                      P23442;
01-NOV-1991
01-NOV-1991
10-MAY-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOD_RES
Eukaryota; Metazoa; Chordata; Craniat;
Mammalia; Eutheria; Euarchontoglires;
                                            Mesocricetus auratus
                                                              Name=IAPP;
                                                                                       Islet amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cricetulus griseus (Chinese hamster).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Cricetidae; Cricetinae; Cricetulus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=IAPP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=10029;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-FEB-1991
10-MAY-2005
                                                                                                                                                                                             IAPP_MESAU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Amidation; Amyloid; Hormone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE; PS00258;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                removed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
MEDLINE=89325677; Pu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-FEB-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Sequence divergence in a specific (IAPP) explains differences in isle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Betsholtz C., Christmansson |
Johnson K.H., Westermark P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Islet amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 adipocyte glucose metabolism.
SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          European
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FUNCTION: Selectively inhibits utilization and glycogen deposi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Swiss-Prot entry is copyright. It is produced through een the Swiss Institute of Bioinformatics and the El European Bioinformatics Institute. There are no rest
                                                                                                                                                                                                                                                                                                                                                                                      33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             38 KCNTATCATQRLANFLVRSSNNLGPVLPPTNVGSNTY 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 long
                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                          KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                    KCNTATCATQRLANFLVHSNNNLGPVLSPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   251:261-264 (1989) .
                                                                                                        (Rel.
(Rel.
                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    as its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (Rel. 17, Created)
(Rel. 17, Last sequence up
(Rel. 47, Last annotation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            polypeptide
                                                                                  polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Christmansson L.,
                                                                                                                                                                                             STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STANDARD;
                                                                                                        20,
47,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CALCITONIN; 1.
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                      (Golden hamster)
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89.2%;
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Pred. No.
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Craniata; Vertebrata; Euteleostomi;
oglires; Glires; Rodentia; Sciurogna
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et amyloid
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Interpro; IPR001693; Calcitonin-like.
Interpro; IPR002163; Calcitonin B.
Interpro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
R PRINTS; PR00818; ISLETANYLOID.
CALCITONIN; 1.
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Best Local S
Matches 33
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SIGNAL
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Nishi M., Bell G.I., Steiner D.F.;
"Sequence of a cDNA encoding Syrian ha
precursor.",
Nucleic Acids Res. 18:6726-6726(1990).
                                 "The
                                                NUCLEOTIDE SEQUENCE.
MEDLINE=89211434; PubMed=2651160; DOI
MOSSelman S., Hoeppener J.W.M., Lips
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NCBI_TaxID=10036;
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SUBCELLULAR LOCATI
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                                                                                                                                                                           sapiens (Human)
Yota; Metazoa;
 Lett.
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89.2%;
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By similarity.
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                                                DOI=10.1016/0014-5793(89)81260-8; ips C.J.M., Jansz H.S.;
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MEDLINE-90114181; PubMeu=2000.
MEDLINE-90114181; PubMeu=2000.
Nishi M., Sanke T., Seino S., Eddy R.L., Function 1. Shows T.B., Bell G.I., Steiner D.F.;
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"Human islet amyloid polypeptide gene: complete nucleotide chromosomal localization, and evolutionary history.";
"-" Endocrinol. 3:1775-1781(1989).
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MEDLINE=93129228; Pub
Hoeppener J.W.M., Oos
Jansz H.S.;
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             Sutton R., Holt S., Boyd Y., Day A.J., Foot E.A., Wil Reid K.B.M., Cooper G.J.S.;
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proc. Natl. Acad. Sci. U.S.A. 86:9662-9666(1989).
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                                                                                                    MEDLINE=90099324;
Roberts A.N., Leig
                                                                                                                                                                                                            diabetic cat are derived from
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MEDLINE=87231921; PubMed=3035556;
                                                                                                                                                                                                                                                                                                                                     Westermark P., Wernstedt C., Wilander E., Sletten K.;
"A novel peptide in the calcitonin gene related peptide
amyloid fibril protein in the endocrine pancreas.";
Biochem. Biophys. Res. Commun. 140:827-831(1986).
                                                                                                                                                                                                                                                                                                                                                                                                        PROTEIN SEQUENCE OF 34-52.
MEDLINE=87048863; PubMed=3535798;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Characterization of the human islet amyloid polypeptide/amylin transcripts: identification of a new polyadenylation site."; Biochem. Biophys. Res. Commun. 189:1569-1577(1992).
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Christmanson L., I
"The human islet
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"An islet amyloid peptide
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, Leighton B., Too
Boyd Y., I
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263:17243-17246(1988)
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Oosterwijk C.,
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I., Sample C., Rubenstein A.
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man G. Westermark P., Betsholtz C.;
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   Query Match
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Best Local S
Matches 15
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NCBI_TaxID=9823;
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Katafuchi T., Hamano K., Kikumoto K., Minamino N.;

"Identification of second and third calcitonin receptor-stimulating peptides in porcine brain.";

Biochem. Biophys. Res. Commun. 308:445-451(2003).

EMBL; AB11413; BaC81765.1; -; mRNA.

GO; GO:0005576; C:extracellular region; IEA.

GO; GO:0005579; F:hormone activity; IEA.

GO; GO:0004872; F:receptor activity; IEA.

GO; GO:0004872; F:receptor activity; IEA.

InterPro; IPR001693; Calcitonin.B.

Pfam; PF00214; Calc. CGRP_IAPP; I.
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(Y7 PIG
Q766Y7 PIG
Q766Y7;
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SEQUENCE
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suida
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence v
05-JUL-2004 (TrEMBLrel. 27, Last annotation
Calcitonin receptor-stimulating peptide-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
MEDLINE=22552459; PubMed=12556539; DOI=10.1074/jbc.M207970200;
Katafichi T., Kikumoto K., Hamano K., Kangawa K., Matsuo H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sus scrofa (Pig).
Eukaryota; Metazoa;
Mammalia; Eutheria;
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                                                                                                                                                                                                                     PRINTS; PR00817; CALCITONINB.
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GO:0005576; C:extracellular region; IEA.
GO:0005179; F:hormone activity; IEA.
GO:00048772; F:receptor activity; IEA.
       16;
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   Conservative
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                                  33.2%;
                                                                                                                                                12969 MW;
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Last annotation update)
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Pred. No. 0.1;
3; Mismatches
   4;
                                  Score 67;
Pred. No.
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                                                                                                                                                336BE05FD5201DF6 CRC64;
   Mismatches
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                                  DB 2;
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   9
                                                                    Length 117;
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Gaps
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Search completed: May 12, 2006, 15:22:04
Job time : 231 secs

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RESULT 47

075V95 BOVIN

075V95 BOVIN PRELIMINARY; PRT; 125 AA.

AC 075V95;

DT 05-JUL-2004 (TrEMBLrel. 27, Created)

DT 05-JUL-2004 (TREMBLrel. 27, Last sequence update)

DT 05-JUL-2004 (TREMBLrel. 27, Last sequence update)

DE Calcitonin receptor-stimulating peptide-1.

So Bos taurus (Bovine).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutoca; Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; R.

OC Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; R.

OC NCBI_TAXID=9913;

RN NUCLEOTIDE SEQUENCE.

AN UCCLOTIDE SEQUENCE.

RY MUCLEOTIDE SEQUENCE.

RY Astafuchi T., Hamano K., Minamino N.;

RA Katafuchi T., Hamano K., Minamino N.;

RY Indentification, structural determination, and biologic bovine and canine calcitonin receptor-stimulating pepting the property of the province and canine calcitonin Taceptor Stimulating pepting BMBL; AB125101; BAD05115.1; -; mRNA.
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Best Local S
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Submitted (ARR-2000) to the EMBL/GenBank/DDBJ date and the EMBL/GenBank/DDBJ date and the EMBL/GenBank/DDBJ date and the EMBL AF260272; AAG15535.1; -; mRNA.
GO; GO:0005576; C.:extracellular region; IEA.
GO; GO:0005179; F:hormone activity; IEA.
InterPro; IPR000443; Amylin.
InterPro; IPR0001643; Calcitonin-like.
InterPro; IPR000163; Calcitonin_B.
InterPro; IPR002163; Calcitonin_B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00814; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; 1.
            NUCLECTIDE SEQUENCE.

PubMed=14672700; DOI=10.1016/j.bbrc.2003.11.114;

PubMed=14672700; DOI=10.1016/j.bbrc.2003.11.114;

Katafuchi T., Hamano K., Minamino N.;

"Identification, structural determination, and biological activity are and canine calcitonin receptor-stimulating peptides.";

Biochem. Biophys. Res. Commun. 313:74-79(2004).

EMBL; AB125101; BAD05115.1; -; mRNA.
                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae; Bovinae; Bos.
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01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Calcitonin gene-related peptide variant 1 (Fragment).
Oryctolagus cuniculus (Rabbit).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      67 AA;
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llarity 53.1%;
Conservative
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Pred. No. 0.0027;
0; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 79; DB 2;
Pred. No. 0.0024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99CC326C159BC501 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5D8A512A4E8994AE CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                67
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       66
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 67;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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RESULT 49
Q862B1_PIG
ID Q862B1 PIG PRELIMINARY; PRT;
AC Q862B1;
DT 01-JUN-2003 (TrEMBLrel. 24, Create
DT 01-JUN-2003 (TrEMBLrel. 24, Last a
DT 01-MAR-2004 (TrEMBLrel. 26, Last a
DE Calcitonin receptor-stimulating pe
GN Name=CRSP;
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RESULT 48
Q766Y6_PIG PRELIMINARY; PRT; 125 AA. AC Q766Y6;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence upd D5-JUL-2004 (TrEMBLrel. 27, Last sequence upd D7 05-JUL-2004 (TrEMBLREL. 27, Last sequence upd D7 101-2004 (TrEMBLREL. 27, Last sequence upd D7
                                                                                                                           Query Match
Best Local S
Matches 17
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Best Local S
Matches 16
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GO; GO:0005179; F:bormone activity; IEA.
GO; GO:0004872; F:receptor activity; IEA.
InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR001693; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00817; CALCITONIN; 1.
PROSITE; PR00113; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sus scrofa (Pig).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE.

MEDLINE=22796190; PubMed=12914769; DOI=10.1016/S0006-291X(03)01413-X;

Katafuchi T., Hamano K., Kikumoto K., Minamino N.;

Katafuchi T., Hamano K., Kikumoto K., Minamino N.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Identification of second and third calcitonin receptor-stimulating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
81
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                                                           N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16;
                                                                                                                                                         Similarity
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CNTAICVTHKMAGWLSRSGSVVKNNFMPI----NMGS 113
                                                        CNTATCATORLANELVHS----SNNFGPILPPTNVGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CNTATCMTHRLAGWLSRSGSMVRSNLLPTKMG 112
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                                                                                                                              Conservative
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45.9%;
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Last annotation updat
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                                                                                                                                                         Score 71;
Pred. No.
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Pred. No. 0.028;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                308:445-451 (2003)
                                                                                                                                                                                                                                                         6FE166F9D8907F8E CRC64;
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                                                                                                                              Mismatches
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                                                                                                                                                         DB 2;
0.073;
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                                                                                                                                                                                       Length 125
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Last sequence update)
Last annotation updat

update)

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Created)

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RESULT 44
CALCB_HORS
       TRACE OCCUPANT OCCUPA
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Q8WNX2_CALJA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A Schindler M., Fischer E.;
Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
EMBL, AF442154; AAL35593.1; -; Genomic DNA.
R GO; GO:0005576; C:extracellular region; IEA.
R GO; GO:0005179; F:hormone activity; IEA.
R GO; GO:0005179; F:hormone activity; IEA.
R GO; GO:0005179; F:hormone activity; IEA.
R InterPro; IPR000443; Amylin.
R InterPro; IPR0001693; Calcitonin-like.
R InterPro; IPR002163; Calcitonin B.
InterPro; IPR002163; Calcitonin B.
PINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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28-FEB-2003
10-MAY-2005
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NON_TER
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOD_RES
NUCLEOTIDE SEQUENCE:
MEDLINE=22470155; PubMed=12581884; DO
MEDLINE=22470155; PubMed=12581884; DO
Toribio R.E., Kohn C.W., Leone G.W.,
"Molecular cloning and expression of
                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Laurasiatheria; Perissodactyla;
                                                                                                                                                                                                                                                                           Calcitonin
                                                                                                                                                                                                                                                                                                                                                                            CALCE HORSE
Q9N0T3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mammalia; Eutheria;
Callitrichidae; Cal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Callithrix jacchus (Common marmoset).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleos
Mammalia; Eutheria; Euarchontoglires; Primates; Platyrrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=beta-CGRP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Beta-calcitonin-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAR-2002 (TrEMBLrel.
01-MAR-2002 (TrEMBLrel.
01-JUN-2003 (TrEMBLrel.
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                                                                                                                        NCBI_TaxID=9796
                                                                                                                                                                                                       Equus caballus (Horse).
                                                                                                                                                                                                                                 Name=CALCB;
                                                                                                                                                                                                                                                         CGRP)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q8WNX2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=9483;
                                                                                                                                                                                                                                                                                                                                                                                                                                   HORSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local
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17; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CNTATCVTHRLAGLLSRSGGMVKSNFVPTDVGSKAF 44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PS00258; CALCITONIN; 1.
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                                                                                                                                                                                                                                                                        3 (Rel. 41, Created)
3 (Rel. 41, Last sequence update)
5 (Rel. 47, Last annotation update)
gene-related peptide II precursor
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AA;
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                                                                                                                                                                                                                                                                                                                                                                                                         STANDARD;
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20,
24,
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Last annotation update)
tein (Fragment).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 81;
Pred. No.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A76A34E3D5E3E99C CRC64;
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04CDEB8D248B64BA CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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DOI=10.1016/S0303-7207(02)00289-7;
1., Capen C.C., Rosol T.J.;
of equine calcitonin, calcitonin
                                                                                                                                                                                                                                                                                                                                                                                                         129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.0011;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
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                                                                                                                                                                                                                                                                              (CGRP-II) (Beta-type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
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                                                                                                                                                  Euteleostomi;
Equidae; Equus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    53;
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RESULT 45
Q9GLK1_RABIT
                                                        Davis M.C., Gierasch W.W., Russo A.F.;
Submitted (APR-2000) to the EMBL/GenBank/DDBJ da
EMBL, APZ60273; AAG15536.1; -; mRNA.
GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0005179; P:hormone activity; IEA.
InterPro; IPR000443; Amylin.
InterPro; IPR0001693; Calcitonin-like.
InterPro; IPR001693; Calcitonin_B.
Pfam; PP00214; Calc CGRP IAPP; I.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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InterPro; IPR001693; Calcitonin-like.
InterPro; IPR001693; Calcitonin B.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc_CGRP_IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DISULFID
SEQUENCE
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PEPTIDE
PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                 01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-UN-2003 (TrEMBLrel. 24, Last annotation update)
Calcitonin gene-related peptide (Fragment).
Oryctolagus cuniculus (Rabbit).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This
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Mol. Cell. Endocrinol. 199:119-128(2003).
-i- FUNCTION: CGRP induces vasodilatation. It dilates a variety o
PROSITE; PS00258; CALCITONIN; 1
NON_TER 1 1
NON_TER 60 60
                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
Davis M.C., Gierasch
                                                                                                                                                                                                                                                                                                                                    Oryctolagus.
NCBI_TaxID=9986;
                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q9GLK1_RABIT
Q9GLK1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PROSITE; PS00258; CF
Amidation; Cleavage
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL; AF257470; AAF70199.1; -; mRNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             vessels including the coronary, cerebral and s
Its abundance in the CNS also points toward a
neuromodulator role (By similarity).
SUBCELLULAR LOCATION: Secreted.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SIMILARITY: Belongs to the calcitonin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Swiss-Prot entry is copyright. It is produced through meen the Swiss Institute of Bioinformatics and the EN European Bioinformatics Institute. There are no rest
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 European
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              85
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          long as its content is in no way modified and this statement
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129
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By similarity.
By similarity.
Calcitonin gene-related p
By similarity
Phenylalanine amide (G-12
group) (By similarity).
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Pred. No. 0.00
2; Mismatches
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By Similarity.
BY 97C2C7AC713ABD9B CRC64;
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Best Local S
Matches 18
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InterPro; IPR001693; Calcitonin-
InterPro; IPR002163; Calcitonin
Pfam; PF00214; Calc CGRP IAPP; I
PRINTS; PR00818; ISLETAMYLOID.
PRINTS; PR00818; ISLETAMYLOID.
                                                 This Swiss-Pr
between the
the European
                                                                                                                                                CALCB_
                                 nse
                                                                                                                                                                                                                                                    MEDLINE=21604266; PubMed=11761712;
Thomas P.M., Nasonkin I., Zhang H., Gagel R.F., Cote G.J.;
"Structure of the mouse calcitonin/calcitonin gene-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CGRP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Calcitonin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-FEB-2003
10-MAY-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q99MP3;
28-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota;
                                                                                                                                                                                                                                                                                                                                                                                                                                Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SMART; SM00113; CALCITONIN; 1
PROSITE; PS00258; CALCITONIN;
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Ensembl; ENSRNOG00000011074;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; M11596; AAA40850.1; -; mRNA.
PIR; A44173; A44173.
                                                                                                                                                                                                                                                                                                                STRAIN=129/Sv;
                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOD_RES
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                                                                                                                 SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the calcitonin
                                          Swiss-Prot entry is copyright. It is produced through a collar seen the Swiss Institute of Bioinformatics and the EMBL outsteen the Swiss Institute of The There are no restrictions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Swiss-Prot entry is copyright. It een the Swiss Institute of Bioinformatics Institute. European Bioinformatics Institute.
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                                                                                                                                                                                                                                                                                                                                                                           ; Metazoa; Chordata; Craniata; Vertel
Eutheria; Euarchontoglires; Glires;
Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) Cleavage on pair c
1 26
27 86
89 125
131 134
125 125
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134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 (Rel. 41, Created)
3 (Rel. 41, Last sequence update)
5 (Rel. 47, Last annotation update)
gene-related peptide II precursor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Calcb
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                                   its content is
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50.0%;
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Calcitonin_B.
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Pred. No. 0.00
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            group)
By sim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Potential.

By similarity.

Calcitonin gene-related per

By similarity.

Phenylalanine amide (G-126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rattus
                                   'n
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                                modified and this statement
                                                                                                                                                                                                                                                                                                                                                                                         Vertebrata; Euteleostomi;
lires; Rodentia; Sciurognathi;
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    It dilates a variety of
oral and systemic vasculature.
toward a neurotransmitter or

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                                                                                                                family.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CGRP-II)
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                                                              a collaboration WBL outstation -
                                                                                                                                                                                                                                                         peptide
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RESULT
CALCA P
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Best Local S
Matches 17
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InterPro; IPR000163; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; 1.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00013; CALCITONIN; 1.
PROSITE; P800258; CALCITONIN; 1.
Amidation; Cleavage on pair of basic re
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            P30880;
01-JUL-1993 (Rel. 26, Created)
01-JUL-1993 (Rel. 26, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Calcitonin gene-related peptide (CGRP).
Name=CALCA; Synonyms=CALC;
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin_B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
SMARR; SM00113; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; 1.
                                                                                                                               This Swiss-Prot entry is copyright. It is produced through between the Swiss institute of Bioinformatics and the Ew the European Bioinformatics Institute. There are no restruce as long as its content is in no way modified and this s
                                                                                                                                                                                                                                                          from porcine spinal cord.";
Neuropeptides 9:75-82(1987).
-i-FUNCTION; CGRP induces vasodilatation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or
                                                                                                                                                                                                                                                                                                                                        MEDLINE=87173481; PubMed=3494209; DOI=10.1016/0143-4179(87)90034-5; Kimura S., Sugita Y., Kanazawa I., Saito A., Goto K.; "Isolation and amino acid sequence of calcitonin gene related peptification and amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sus scrofa (Pig).
Eukaryota; Metazoa;
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GO; GO:0005615; C:extracellular space;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mammalia;
                                                                                                                                                                                                                                                                                                                                                                               PROTEIN SEQUENCE.
MEDLINE=87173481;
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SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the calcitonin family.
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By similarity.

Calcitonin gene-related p
By similarity.

Phenylalanine amide (G-12
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By sim
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97299244E8F6C536 CRC64;
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Hormone

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EMBL;
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EMBL;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   platelets, from a pheochromocytoma.";
Biochem. Biophys. Res. Commun. 185:134-141/1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=87213363; PubMed=3034287;
Craig R.K., Riley J.H., Edbrooke M.R., Broad P.M., Foord S.M., Al-Kazwini S.J., Holman J.J., Marshall I.;
"Expression and function of the human calcitonin/alpha-CGRP gene health and disease.";
                                                                                                                              uge
                                                                                                                                         the
                                                                                                                                                                                                                                                                                                                                                              calcitonin-gene-related peptide and Biochem. J. 275:785-788(1991).
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Hubbard J.A.M., Martin S.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=87109142; PubMed=3492492;
Petermann J.B., Born W., Chang J.Y., Fischer J.A.;
"Identification in the human central nervous system,
thyroid of a novel calcitonin gene-related peptide, a
acid sequence in the spinal cord.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Isolation and peptide.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PROTEIN SEQUENCE OF MEDLINE=84191466; Pu
                                                                                                                  removed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kitamura K., Kangawa K., Kawamoto N
"Isolation and characterization of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE=92287083; PubMed=1318039;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nature 308:746-748(1984)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           McIntyre I
                                                                                                                                                                                                                                                                                                                                                                         "Solution structures of calcitonin-gene-related-peptide analogues calcitonin-gene-related peptide and amylin.";
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                                                                                                                                                                                                                                                                                       vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. It also elevates platelet cAMP.

ALTERNATURE PRODUCTS:
Event=Alternature.
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                                                                                                                                         European
                                                                                                                                                                                              SIMILARITY:
                                                                                                                          Swiss-Prot entry is copyright. It is produced through a collaboration een the Swiss Institute of Bioinformatics and the EMBL outstation - Suropean Bioinformatics Institute. There are no restrictions on its long as its content is in no way modified and this statement is not
                                                                                                                                                                                                                                                                                    Event=Alternative
 M12667;
M12664;
M12665;
X15943;
K03512;
X02330;
M28637;
M28637;
                                                                                                                                                                                                                                                        IsoId=P06881-1; Sequence=Displayed;
                                                                                                                                                                                          IsoId=P01258-2; Sequence=External;
MILARITY: Belongs to the calcitoni
                                                                                                                                                                                                                                  IsoId=P01258-1;
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1248117; PubMed=2039456;
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AAA51914.1;
AAA51914.1;
AAA51914.1;
CAA34070.1;
AAA52011.1;
CAA26190.1;
AAA52012.1;
AAA52012.1;
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; PubMed=6609312;
ico M., Etienne T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          52:91-105(1986)
                                                                                                                                                                                                                                Sequence=External;
                                                                                                                                                                                                                                                                                 splicing; Named isoforms=3;
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-; Genomi
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RESULT 40
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PDB; 1157; Model; A=1-12;
Ensembl; ENSG00000110680
HGNC; HGNC:1437; CALCA.
MIM; 114130; -
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SEQUENCE
                                                                                       NUCLEOTIDE SEQUENCE.
MEDLINE=85300490; PubMed=2994212;
Amara_S.G., Arriza J.L., Leff S.E.,
                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata;
Mammalia; Eutheria; Euarchontoglires; G
Muroidea; Muridae; Murinae; Rattus.
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PEPTIDE
PROPEP
      - -
                                                                                                                                                           Rattus norvegicus
                                                                                                                                                                                              01-MAR-1989
10-MAY-2005
                                                                               Amara S.G., Arriza J.L., Rosenfeld M.G.;
                                                                                                                                                                     Name=Calcb;
                                                                                                                                                                              CGRP)
                                                                                                                                                                                    Calcitonin gene-related
                                                                                                                                                                                                               01-MAR-1989
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                                                       Science
                                                                "Expression in brain of a messenger RNA encoding
                                                                                                                        NCBI_TaxID=10116;
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                                                                                                                                                                                                                                                                                                                   Local
     SUBCELLULAR LOCATION SIMILARITY: Belongs
                      vessels including the coronary, cerek
Its abundance in the CNS also points
neuromodulator role.
                                                FUNCTION:
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SM00113; CALCITONIN; 1.
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                                                       ous to calcitonin gene-related 229:1094-1097(1985).
                                                                                                                                                                                                                                                                                                                    Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                             Signal.
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(Rel.
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                                                CGRP induces vasodilatation.
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               LOCATION:
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10, Last sequence update)
47, Last annotation update)
~1ared peptide II precursor
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Pred. No.
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Direct prot
                                        cerebral and
                                                                                          Swanson
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                                                               peptide.
                                                                                                                                           Glires;
                                                                                                                                          Vertebrata; Euteleostomi;
lires; Rodentia; Sciurogna
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                                                                                        L.W.,
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                                                dilates
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                              d systemic vasculati
a neurotransmitter
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Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Schindler M., Fischer E.;

Schindler M., Fischer E.;

Submitted (OCT-2001) to the EMBL/GenBank/DDBJ dat

EMBL; AF442153; AAL35592.1; -; Genomic DNA.

GO; GO:0005576; C:extracellular region; IEA.

GO; GO:0005179; F:hormone activity; IEA.

InterPro; IPR000443; Amylin.

InterPro; IPR001693; Calcitonin-like.

InterPro; IPR001693; Calcitonin B.

Ffam; PF00214; Calc CGRP IAPP; I.

PRINTS; PR00818; ISLETAMYLOID.

SMART; SM00113; CALCITONIN; 1.

SMART; SM00113; CALCITONIN; 1.
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QBWNX3;
QBWNX3;
QI-MAR-2002 (TIEMBLrel. 20,
QI-MAR-2002 (TIEMBLrel. 20,
QI-JUN-2003 (TIEMBLrel. 24,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ILT 38
(C3 PAROL
Q90YC3 PAROL 1
Q90YC3;
                                                                                                                                                                                                                                                                                 Paralichthys olivaceus (Japanese flounder).

Bukaryota; Metazoa; Chordata; Cranitata; Vertebrata; Euteleostomi;

Actinopterygii; Neopterygii; Teleostei; Buteleostei; Neoteleostei;

Acanthomorpha; Acanthopterygii; Percomorpha; Pleuronectiformes;

Pleuronectoidei; Paralichthyidae; Paralichthys.
EMBL; AB052782; BAB64411.1; -; Genomic_DNA.
GG; GO:0005576; C:extracellular region; IEA.
GO; GO:0005179; F:hormone activity; IEA.
InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin_B.
Pfam; PF00214; Calc_CGRP_IAPP; I.
                                                                                                                   Suzuki N., Suzuki T., Kurokawa T.;
"Cloning of a calcitonin gene-related peptide
mRNA expression in flounder, Paralichthys oliv
Peptides 22:1435-1438 (2001).
EMBL; AB052782; BAB64411.1; -; Genomic_DNA.
                                                                                                                                                                                           MEDLINE=21406117; PubMed=11514025; Suzuki N., Suzuki T., Kurokawa T.;
                                                                                                                                                                                                                                                                                                                                                                                                  01-DEC-2001 (TrembLrel.
01-DEC-2001 (TrembLrel.
01-JUN-2003 (TrembLrel.
Calcitonin gene-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE; PS00258; CALCITONIN; 1.
NON TER 1 1
SEQUENCE 52 AA; 5643 MW; 7C0
                                                                                                                                                                                                                                                                                                                                                                                       Name=CT/CGRP;
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Eukaryota; Metazoa; Chordata; Craniata;
Mammalia; Butheria; Euarchontoglires; Pr
Callitrichidae; Callithrix.
                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE
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    Created)
    Last sequence update)
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    peptide (Fragment).

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Pred. No. 0.00
2; Mismatches
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                                                                                                                                                                                                           DOI=10.1016/S0196-9781(01)00484-3;
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Primates; Platyrrhini;
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Matches 19
                                     human ger
J. Clin.
                                                                                                             MEDLINE=84240176; PubMed=6
Steenbergh P.H., Hoppener
                                                                                                                                                                                                             EMBO
                                                                                                                                                      TISSUE=Thyroid carcinoma;
                                                                                                                                                                                                                                                                                                                                                         "Structure and expression of a calcitonin gene related peptide Biochem. Biophys. Res. Commun.
   NUCLEOTIDE
                                                                                             Lips C.
                                                                                                                                                                      NUCLEOTIDE SEQUENCE [GENOMIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE [GENOMIC DNA].
MEDLINE=89386053; PubMed=2571128;
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   SEQUENCE [GENOMIC DNA]
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                                                                                                                                PubMed=6610687;
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ifeld K.I., de B
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CALCA HUMAN
STANCE:
CALCA HUMAN
STANCE:
P0688I; Q93048; Q9UCPO;
01-JAN-1988 (Rel. 06, Created)
01-JAN-1989 (Rel. 10, Last sequence update)
01-MAR-1989 (Rel. 47, Last annotation update)
^**AV-2005 (Rel. 47, Last annotation update)
                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE [MRNA] OF 49-128. MEDILINE=85230541; PubMed=2408883; Edbrooke M.R., Parker D., McVey J.H., Pettengill O.S., Craig R.K.; "Expression of the human calcitonin/CG
                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE [MRNA] OF 48-119.
MEDLINE=85022523; PubMed=6148938;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRINTS; PRO0817; CALCITONINB.
PRINTS; PRO0818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Broad P.M., Symes A.J., Thakker R.V.,
"Structure and methylation of the hum
Nucleic Acids Res. 17:6999-7011(1989)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=85166259; PubMed=3872459;
Jonas V., Lin C.R., Kawashima E., Se
Mermod J.-J., Evans R.M., Rosenfeld
                            "Calcitonin gene related peptide coding sequence numan genome and is expressed in medullary thyro:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Alternative RNA processing events in human gene-related peptide gene expression.";
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                                                                                                                                                                                                                        human calcitonin/CGRP
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                                                                                                                                                                                                                                                                                                                          d peptide.";
Commun. 123:648-655(1984)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 84; DB
Pred. No. 0.00
4; Mismatches
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                                                                                                Zandberg J.,
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                                                                                                                                                                                                                                                                                                                                                             calcitonin and
                                                                conserved in the
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InterPro; IPR001693; Calcitonin-like.
InterPro; IPR001693; Calcitonin B.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc_CGRP_IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; 1.
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SEQUENCE
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21-JUL-1986 (Rel. 01, Created)
01-APR-1988 (Rel. 07, Last sequence up
10-MAY-2005 (Rel. 47, Last annotation
NUCLEOTIDE SEQUENCE.
MEDLINE=85166259; PubMed=3872459;
Jonas V., Lin C.R., Kawashima E.,
Mermod J.-J., Evans R.M., Rosenfe
                                                                                                                                                                                                 Rattus norvegicus (Rat)
Eukaryota; Metazoa; Chordata; Craniata; Vertel
Mammalia; Eutheria; Euarchontoglires; Glires;
                                                                                                                                                                                                                                                                                            Name=Calca; Synonyms=Calc;
                                                                                                                                                                                                                                                                                                                                                           Calcitonin
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                                                                                                                                              NCBI_TaxID=10116;
                                                                                                                                                                            Muroidea; Muridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOD_RES
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GO:0005622; C:intracellular; IDA.
GO:0001635; F:calcitonin gene-related polypeptide recepto.
GO:0001631; F:receptor binding; IDA.
GO:0007631; P:feeding behavior; IDA.
GO:0006954; P:inflammatory response; IDA.
GO:0006954; P:negative regulation of smooth muscle contra.
GO:0007218; P:neuropeptide signaling pathway; IDA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SIMILARITY: Belongs to the calcitonin family.
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AF325522; AAK18181.1; -; Genomic
AF325521; AAK18181.1; JOINED; GEO
BC028771; AAH28771.1; -; mRNA.
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By similarity.
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MBL outstation **
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Best Local S
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EMBL; L000110; AAB59682.1; J
EMBL; V01231; CAA24541.1; -
EMBL; W11597; AAA40847.1; -
PIR; A01524; TCRTR.
PIR; B44173; B44173
                                                                                                                             CONFLICT
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CONFLICT
CONFLICT
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SMART; S
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MOD_RES
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Amara S.G., Jonas V., Rosenfeld M.G., Ong
"Alternative RNA processing in calcitonin
mRNAs encoding different polypeptide produ
Nature 298:240-244(1982).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Alternative RNA processing events in human calcitonin/calcitonin gene-related peptide gene expression."; Proc. Natl. Acad. Sci. U.S.A. 82:1994-1998(1985).
                                                                                                                                                                                                                                                                                                                                                                                                                                         PRINTS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc_CGRP_IAPP; T.
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                                                                                                                                                                                                                                                                                                                                                  Hormone;
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                                                                                                                                                                                                                                                                                                                                                                                    PROSITE;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Expression in brain of a messenger RNA encoding homologous to calcitonin gene-related peptide.", Science 229:1094-1097(1985).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=85300490;
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ALTERNATIVE PRODUCTS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Name=Calcitonin-gene related peptide IsoId=P01256-1; Sequence=Displayed;
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                                                                                                                                                                                                                                                                                                                                                                                                   ; PR00818; ISLETAMYLOID.
SM00113; CALCITONIN; 1.
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                                                                          Similarity
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CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                Signal.
                                                                                                                                                                                                                                                                                                                                                                                    PS00258;
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                                                                                                                                                                                                                                                                                                                                                                                    CALCITONIN;
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a J.L., Leff S.E.,
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Pred. No.
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By similarity.

Missing (in Ref.

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                                                                                                                                                                                                                                                        Phenylalanine
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                                                       Mismatches
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                                                                                                                                                EEQ (in Ref. 3 R (in Ref. 3
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Genomic_DNA.
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0.0008;
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gene expression generates
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MBL outstation -
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RA Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
RA Nicaud S., Jaffe D., Fischer S., Lutfalla G., Dossat C., Segurens B.,
RA Nicaud S., Jaffe D., Fischer S., Lutfalla G., Dossat C., Segurens B.,
RA Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,
RA Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
RA Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
RA Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
RA Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
RA Cruaud C., Larder G., Chapple C., McKernan K.J., McEwan P., Bosak S.,
RA Kellis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,
RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Lindbrad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
RA Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,
RA Wincker P., Lander E.S., Weissenbach J., Roest Crollius H.,
"Genome duplication in the teleost fish Tetraodon nigroviridis reveals
RT The early vertebrate proto-karyotype.";
RI Nature 431:946-957(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 20
                  collicular neurons during postnatal development.
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ da
EMBL; AY702025; AAU07931.1; -; mRA.
GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0005179; F:hormone activity; IEA.
InterPro; IPR001639; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONIN; I.
SMART; SM00113; CALCITONIN; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             066VC1;
25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Alpha-calcitonin gene-related peptide (Fragment).
Rattus norvegicus (Rat).
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[2]
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Martinez-Millan L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Muridae; Murinae; Rattus
NCBI_TaxID=10116;
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Submitted (FEB-2004)
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                                                                                                                                                                                                                                                                                                                  "Evidence for expression of calcitonin gene-related
                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=Wistar;
                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota;
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Eutheria; Euarchontoglires; Glires; Rodentia; Sciurogna
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54.1%;
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RESULT 35
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                                                                                                                                                                                                               RP NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].

RC STRAIN=(579L/6J; TISSUE-Mammary gland;

RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

RX Alausner R.D., Collins F.S., Wagner L.B., Shenmen C.M., Schuler G.D.,

RX Alausner R.D., Collins F.S., Wagner L.B., Shenmen C.M., Schuler G.D.,

RX Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RX Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

RX Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

RX Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

RX Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

RX Hopkins R.F., Jordan H., Moore T., Rasvant T.L., Scheetz T.E.,

RX Hopkins R.F., Jordan H., Moore T., Rasvant T.L., Scheetz T.E.,

RX Hopkins R.F., Jordan H., Hoore G.J., Abramson R.D., Mullahy S.J.,

RX Hopkins R.F., Jordan H., Peters G.J., Abramson R.D., Mullahy S.J.,

RX Haha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

RX Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

RX Hilalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RX Villalon D.K., Wunny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RX Wiltial M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

RX Wilting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

RX A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

RX A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

RX A Rodriguez A.C., Schmutz J., Myers R.M.,

RX Hopkins M. J., Jones S.J.M., Marra M.A.;

"Generation and initial analysis of more than 15,000 full-length human

"Generation and Marketteners":

RX and Marketteners M. J. Jones S.J.M., Marra M.A.;

"Generation and J.M., Geneners M.D.,

RX Hopkins M. J., Jones S.J.M., Marra M.A.;

"Generation and J.M., Generation and J. Schmutz J. M. J.

"Generation and J.M., Generation and J.M., 
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28-FEB-2003
10-MAY-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=21604266; PubMed=11761712;
Thomas P.M., Nasonkin I., Zhang H., Gagel R.F., Cote G.J.,
"Structure of the mouse calcitonin/calcitonin gene-related
alpha and beta genes.";
DNA Seq. 12:131-135(2001).
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                                                                                                                                                                               and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniat
Mammalia; Eutheria; Euarchontoglires;
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          similarity).
SUBCELLULAR LOCATION: Secreted.
ALTERNATIVE PRODUCTS:
Event_Alternative splicing; Named isoforms=2;
                                                                                         FUNCTION: CGRP induces vasodilatation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. It also elevates platelet CAMP (By
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOUSE
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RP precursor i
(DEC-2000) to
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(Rel. 41, Last sequence up
(Rel. 47, Last annotation
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Name=Calcitonin-gene

related peptide

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Q569I0_HUMAN
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A Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheet T.E.,
B Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Stapleton M., Soares M.B., Bonaldo M.F., Carninci P., Prange C.,
A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
B Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergene B.J., Lu X., Gibbs R.A.,
A Villalon D.K., Muzny D.M., Sodergene B.J., Lu X., Gibbs R.A.,
A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Hakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,
B Blakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,
A Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
A Generch A., Schein J.E., Jones S.J.M., Marra M.A.,

"Generch A., Schein J.E., Jones S.J.M., Marra M.A.,

"Generch A., Schein J.E., Jones S.J.M., Marra M.A.,
Query Match
Best Local Similarity
Matches 18; Conser
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                                                                                                                               InterPro; IPRO00443; Amylin.
InterPro; IPRO01693; Calcitonin-like.
InterPro; IPRO01693; Calcitonin-B.
InterPro; IPRO02163; Calcitonin B.
Pfam; PF00214; Calc_CGRP_IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
PROSSITE; PS00258; CALCITONIN; 1.
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                                                                                                                SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NIH MGC Project;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
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10-MAY-2005 (TrEMBLrel.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Generation and initial analysis of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Calcitonin-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q569I0;
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                                                                                                                                                                                                                                                                                                                                                     L; BC092468; AAH92468.1; -; mRNA.
embl; ENSG00000175868; Homo sapiens.
G0:0005576; C:extracellular region; IEA.
G0:0005179; F:hormone activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mouse cDNA sequences."
c. Natl. Acad. Sci. U.S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sapiens (Human)
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     Conservative
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  polypeptide, beta.
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73
13706 MW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chordata;
                                                                                                                13706 MW;
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; Score 86; DB;
; Pred. No. 0.00
1; Mismatches
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Pred. No. 0.000
1; Mismatches
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                                                                                   1.
BOA71A063CD5ACE7 CRC64;
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B0A71A063CD5ACE7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    more
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                            0.00057
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                                                         DB 2;
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                                                    Length 127
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RESULT 33
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CALCA SHEEP
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Matches 18
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SEQUENCE
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-JUL-1993 (Rel. 26, Created)
01-JUL-1993 (Rel. 26, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation updat
Calcitonin gene-related peptide (CGRP).
Name=CALCA; Synonyms=CALC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CALCA_
            (Fragment).
ORFNames=GSTENG00000464001;
                                                          13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation updat
Chromosome undetermined SCAF2800, whole genome sh
                                                                                                                                                         Q4THN9_TETNG
Q4THN9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc_CGRP_IAPP; I.
PRINTS; PR00817; CALCITONINB.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the European Bioinformatics Institute. There are no restrictions one as long as its content is in no way modified and this statement
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This Swiss-Prot entry is copyright. It between the Swiss Institute of Bioinformatics Institute.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Miyata A., Jiang L., Minamino N., I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P30881;
01-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amidation; Direct protein sequencing; Hormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PIR; JH0709; JH0709.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              removed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PROTEIN SEQUENCE
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SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FUNCTION: CGRP induces vasodilatation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SHEEP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bovidae;
                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PS00258; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Biophys. Res. Commun. 187:1474-147
TION: CGRP induces vasodilatation.
                                                                                                                                                                                                                                                                                                       CNTATCVTHRLAGLLSRSGGVVKSNFVPTNVGSQAF
                                                                                                                                                                                                                                                                                                                                                  CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CNTATCVTHRLAGLLSRSGGMVKSNFVPTNVGSKAF 118
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37
                                                                                                                                                                                     PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STANDARD;
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50.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                 Score 85; DB Pred. No. 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                right. It is produced through of Bioinformatics and the EM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    By similarity. F5DDF64D248B6A47 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Phenylalanine amide.
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                                                                                                                                                                                     44
                                                               genome shot
                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
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                                                               shotgun sequence
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Tetraodon nigroviridis

(Green puffer)

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NUCLEOTIDE SEQUENCE.

Nucleof E., Aury J.M., Brunet F., Petit J.L., Stange-Thomann N.,

A Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,

A Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,

A Nicaud S., Jaffe D., Fishers S., Lutfalla G., Dossat C., Segurens B.,

A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

A Minouard V., Skalli Z., Cattolico L., Poulain J., De Berardinis V.,

A Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,

A Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,

A Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,

A Kallis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,

A Kellis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,

A Kallidad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

RA Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,

"Genome duplication in the teleost fish Tetraodon nigroviridis reveals

"The array vertebrare approaches ".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 20
        NUCLEOTIDE SEQUENCE.
MEDLINE=87105923; PubMed=3492393; DOI=10.1016/0014-5793(86)81091-2; Steenbergh P.H., Hoeppener J.W.M., Zandberg J., Visser A., Lips C.J.M., Jansz H.S.; "Structure and expression of "Fragrene" and expression of ""
                                                                                                                                                                                                                                                                                                                                                                                          01-MAR-1989
01-MAR-1989
10-MAY-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CALCB HUMAN
P10092; Q9UC
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NON TER
SEQUENCE
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13-SEP-2005
13-SEP-2005
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Tetraodon nigroviridis (Green puffer).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; E
Rukaryota; Metazoa; Chordata; Teleostei; Euteleostei;
Actinopterygii; Neopterygii; Teleostei; Euteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodo
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                       Eukaryota;
                                                                                                                                                                                                                                                                                     Name=CALCB; Synonyms=CALC2;
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               the early vertebrate proto-karyotype."; Nature 431:946-957(2004).
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13-SEP-2005 (TYEMBLYE1. 31, Last sequence update)
13-SEP-2005 (TYEMBLYE1. 31, Last annotation update)
Chromosome 5 SCAF14581, whole genome shotgun sequ
                                                                                                                                                                                                                                    Mammalia;
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9 (Rel. 10, Last sequence update)
5 (Rel. 47, Last annotation updat
gene-related peptide II precurso
                                                                                                                                                                                                                                                          Metazoa:
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                                                                                                                                                                                                                                                                                  (Human)
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expression of :97-103(1986).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5551 MW;
                                                                                                                                                                                                                            Chordata; Craniata; Vertebrata; Euteleos Buarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                          Chordata;
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                            ion update)
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                                                                                                                                                                                                                                                       Vertebrata; Euteleostomi;
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                                                                                                                                                                                                                                                                                                                                                              (CGRP-II)
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Neoteleostei;
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                                                                                                                                                                                                                              Hominidae;
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MIM; 11416); -.

GO; GO:0005625; C:soluble fraction; TAS.
GO; GO:0005184; F:neuropeptide hormone activity; TA:
GO; GO:0006874; F:calcium ion homeostasis; TAS.
GO; GO:0007165; P:signal transduction; TAS.
InterPro; IPR00163; Calcitonin-like.
InterPro; IPR002163; Calcitonin_B.
Pf6am; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONIN; 1.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                            EMBL; X04855; CAC05295.1; JC
EMBL; X04857; CAC05295.1; JC
EMBL; X04861; CAC05295.1; JC
EMBL; X02404; CAA26249.1; -
PIR; A55864; A25864.
PIR; I37232; I37232.
Ensembl; ENSG0000175868; H
HONC; HGNC: 1438; CALCB.
       PEPTIDE
PROPEP
MOD_RES
                                                                                                                                                                                                                                                                                                                                                                         This Swiss-Prot entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the Entropean Bioinformatics Institute. There are no restude as long as its content is in no way modified and this is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=87109142; PubMed=3492492;
Petermann J.B., Born W., Chang J.Y., Fischer J.A.;
"Identification in the human central nervous system,
thyroid of a novel calcitonin gene-related peptide, a
acid sequence in the spinal cord.";
J. Biol. Chem. 262:542-545(1987).
                                                                                                                                                                                                                        H-InvDB; HIX0009469;
MIM; 114160; -.
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NUCLEOTIDE SEQUENCE OF 56-127.

MEDLINE=85180007; PubMed=2985435; DOI=10.1016/0014-5793(85)80820-6;
                                                                                  Amidation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Isolation and characterization of pe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Pheochromocytoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Biochem.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Isolation, purification spinal cord.";
                                               PROPEP
                                                                                               PROSITE; PS00258; CALCITONIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=92287083; PubMed=1318039;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TISSUE=Spinal cord
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROTEIN SEQUENCE OF 82-86
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   second human calcitonin/CGRP gene.";
3S Lett. 183:403-407(1985).
                                                                                                                                                                                                                                                                                                                                                                                                                                   neuromodulator role.
SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FUNCTION: CGRP induces vasodilatation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. The coronary is abundance in the CNS also points toward a neurotransmitter or
                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Biophys.
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                                                                                  Cleavage on pair
                                                                      sequencing;
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127
118
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79
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JOINED;
JOINED;
-; mRNA.
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                                                                       Hormone;
                                                                                  of basic
                                                                                                                                                                                                                                                                                                   mRNA
                                                                                                                                                                                                                                                                                                                                       Genomic
         Phenylalanine
                                 Calcitonin gene-related peptide
                                                            Potential
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                                                                                                                                                                                                                                                              sapiens
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                                                                                                                                                                                                                                                                                                            Genomic_DNA.
Genomic_DNA.
                                                                   Signal
                                                                                  residues;
                                                                                                                                                                                                                                                                                                                                       DNA.
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          amide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of beta-hCGRP from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matsuo H.,
          (G-119
                                                                                                                                                                                                                                                                                                                                                                                      restrictions
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         provides
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           amide
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RESULT 27
Q92164_ONCSP
Q92164_ONCSP
Q92164;
AC
C10V-1996 (TYEMBLrel. 01,
DT
O1-UNV-2003 (TYEMBLrel. 24,
DE
C101-C001 SP. (Salmon).
AC
C101-C001 SP. (Salmon).
AC
C101-C001 SEQUENCE
ACTION SE
                                                                                                                                                                                                                                         RESULT 28
CALCA_CANE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRCCCRRR
            CSCEPPPRE
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Best Local S
Matches 18
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Best Local S
Matches 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               calcitonin/CGRP gene by polymerase chain reaction.",
Ann. N. Y. Acad. Sci. 657:63-69(1992).
EMBL; S40497; AAB22593.1; -; Genomic DNA.
GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0005179; F:hormone activity; IEA.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
SMART; SM00113; CALCITONINB.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                       28-FEB-2003
28-FEB-2003
10-MAY-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; CA
Name=CALCA; Synonyms=CALC, CCALCI;
Canis familiaris (Dog).
Eukaryota; Metazoa; Chordata; Craniata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.

Genoscope; Whitehead Institute Centre for Genome Research;
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry whi
preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE
                                                                                                                                                                                             Q9MYVI;
                                                                                                                                                                                                                      CALCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleost
Actinopterygii; Neopterygii; Teleostei; Euteleostei;
Protacanthopterygii; Salmoniformes; Salmonidae; Oncorhynchus
                                                                                              Calcitonin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
MEDLINE=92344325; PubMed=1637123;
                                                                                                                                                                                                                                            CANFA
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                                                                                                                                                                                                                   CANFA
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                                                                                                                                                                                                                                                                                                                                                                               CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                 CNTATCVTHRLADFLNRSGGMGNSNFVPTNVGAKAF 43
                                                                                            gene-related peptide I precursor (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     56 AA; 6019 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               184 AA;
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                                                                                                                                                                                                                 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CALCITONIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       184
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20107 MW;
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24, Last annotation update)
peptide (Fragment).
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Pred. No. 8.4e
3; Mismatches
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Pred. No. 0.000
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Craniata; Vertebrata; Euteleostomi; Teleostei; Euteleostei;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C7852837BAF74314 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ۲.
                                                                                                                                                                                                                 PRT;
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       Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 2;
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                                                                                                 (CGRP-I)
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                                                                                              (Alpha-type
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                                                                                                             Query Match
Best Local S
Matches 21
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InterPro; IPR001693; Calcitonin-like.
InterPro; IPR001693; Calcitonin B.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc GGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SW00113; CALCITONIN; I.
PROSITE; PS00258; CALCITONIN; 1.
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NCBI_TaxID=9615;
[1]
                                                                                                                         DISULFID
CONFLICT
CONFLICT
                                                                                                                                                                                                       PROPEP
                                                                                                           SEQUENCE
                                                                                                                                                                                                                                                  Alternative splicing; Amidation; Cleavage Direct protein sequencing; Hormone; Signal
                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AJ271090; CAB97487.1; -; Genomic DNA.
Ensembl; ENSCAFG00000008562; Canis familiaris.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              This Swiss-Prot entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the El the European Bioinformatics Institute. There are no resti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       biological and protein chemical approach.";
Regul. Pept. 35:189-195(1991).
-!- FUNCTION: CGRP induces vasodilatation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=92100867; PubMed=1758974; DOI=10.1016/0167-0115(91)90082-R; Mol J.A., Kwant M.M., Arnold I.C.J., Hazewinkel H.A.W.; "Elucidation of the sequence of canine (pro)-calcitonin. A molecula
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=20424786; PubMed=10967131; DOI=10.1007/8003350010157; Wende S., Krempler A., Breen M., Brunnberg L., Brenig B.; "Molecular analysis and chromosomal assignment of the canine CALC-I/alpha-CGRP gene."; Mamm. Genome 11:736-740(2000).
                                                                                                                                                                               MOD_RES
                                                                                                                                                                                             PROPEP
                                                                                                                                                                                                                                      SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                     removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IsoId=P41547-1; Sequence=External; -i- SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE=Thyroid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROTEIN SEQUENCE OF 26-50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. It also elevates platelet cAMP (Rv similarity).
                                                                                                                                                                                                                                                                                                                                                                                                                                                 as long as its content is in no way modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ALTERNATIVE PRODUCTS: Event=Alternative splicing; Named isoforms=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=Calcitonin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Name=Calcitonin-gene related peptide IsoId=Q9MYV1-1; Sequence=Displayed;
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84
                           N
                                                                    Similarity
                    CNTATCATQRLANFLVHS----SNNFGPILPPTNVGSNTY 37
  CNTATCVTHRLAGLLSRSGGVVKNNF----VPTNVGSEAF 119
                                                                                                             128
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83
125
                                                       Conservative
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45
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80
119
128
119
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45
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                                                                                                                          49
                                                                   44.1%;
52.5%;
                                                                                                              -
M
                                                                                                                      By similarity.

Calcitonin gene-related polygon by similarity.

Phenylalanine amide (G-12).

group) (By similarity).

By similarity.

E -> K (in Ref. 2).

L -> N (in Ref. 2).
                                                       ;
                                                    Score 89; DB:
Pred. No. 0.000
1; Mismatches
                                                                                                             72331258DB8CB564 CRC64;
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                                                                   DB 1;
0.00022;
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                                                                                Length 128;
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                                                                                                                                                                                                                                                                residues;
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                                                       8
                                                       Gaps
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RESULT 29
Q4SI73_TETNG
ID Q4SI73_TETNG

PRELIMINARY;

PRT;

51

8

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RESULT 25
Q8QFT9 FUGRU
ID Q8QFT9 F
AC Q8QFT9;
DT 01-JUN-2
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Best Local S
Matches 18
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Best Local S
Matches 18
                                                                                                                                                                                                                                                                                                                                                                            Submitted (SEP-1996) to the EMBL/GenBank/DDBJ dat EMBL; U71287; AAB38533.1; -; mRNA.
GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0005179; F:hormone activity; IEA.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR001693; Calcitonin B.
Pfam; PF00214; Calc (CRP IAPP; T.
PRINTS; PR00817; CALCITONINB.
SMART; SM00113; CALCITONINB.
QBQFT9_FUGRU |
QBQFT9;
01-JUN-2002 (
                                                                                                                                                                                                                                                                           NON TER
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAY-1997 (TIEMBLIFE). 03, Created)
01-MAY-1997 (TIEMBLIFE). 03, Last sequence update)
01-JUN-2003 (TIEMBLIFE). 24, Last annotation update)
01-JUN-2003 (TIEMBLIFE). 24, Last annotation update)
Calcitonin gene-related peptide 4 (Fragment).
Cncornbynchus gorbuscha (Pink salmon) (Humpback salmon).
Cncornbynchus gorbuscha (Pink salmon) (Humpback salmon).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei;
Protacanthopterygii; Salmoniformes; Salmonidae; Oncorhynchus.
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NON_TER
SEQUENCE
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InterPro; IPR001693; Calcitonin-like.
Pfam; PP00214; Calc CGP IAPP; 1.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=97057244; PubMed=8901583; DOI=10.1073/pnas.93.22.12344; Jansz H., Martial K., Zandberg J., Milhaud G., Benson A.A., Julienne A., Moukhtar M.S., Cressent M.; "Identification of a new calcitonin gene in the salmon Oncorhyn
                                                                                                                                                                                                                                                                                                              CHAIN
                                                                                                                                                                                                                                                                                                                                                             PROSITE; PS00258; CALCITONIN;
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                                                                                                                                                              2 CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                    18;
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18; Conserv
                                                                                                                                                                                                                   Similarity
                                                                                                                         CNTATCVTHRLADFLSRSGGMGNSNFVPTNVGAKAF 43
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                                                                                                                                                                                                                                                                           52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
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   (TrEMBLrel.
                                                                                                                                                                                                    Conservative
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                                                                                                                                                                                                                                                                                                                             72
                                     PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        F:hormone activity; IEA.
                                                                                                                                                                                                                                                                         5700 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2723 MW;
                                                                                                                                                                                                                   44.6%;
                                                                                                                                                                                                                                                                                                           43
52
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72.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 U.S.A.
   21,
                                                                                                                                                                                              ; Score 90; DB;
; Pred. No. 5.6e:
3; Mismatches
     Created)
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••
                                                                                                                                                                                                                                                                                            ; 1.
N-terminal peptide.
N-terminal peptide.
calcitonin gene-related peptide
carboxy terminal peptide.
                                                                                                                                                                                                                                                                       3F4C471D2A682321 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 91;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                911B2C02FB677BAF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93:12344-12348(1996)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25
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1.8e-05;
5;
                                     126
                                                                                                                                                                                                                     5.6e-05
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                                                                                                                                                                                                                                    Length 52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 25;
                                                                                                                                                                                                  Indels
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Q4S167_TET
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Query Match
Best Local S
Matches 18
NUCLEOTIDE SEQUENCE.

Jaillon O., Aury J.M., Brunet F., Petit J.L., Stange-Thomann N.,

A Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,

A Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,

A Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,

A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,

A Anthouard V., Jubin C., Castelli V., Ratinka M., Vacherie B.,

A Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,

A Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,

A Cruaud C., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,

A Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,

A Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,

A Parra G., Lardier B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,

A Lindbladd-Toh 
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InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; 1.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              O45167 TETNG PRELIMINARY; PKT; 207.
Q45167,
Q45167,
Q15.67,
Q15.67,
Q15.68P-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tetraodon nigroviridis (Green puffer).
Eukaryota, Metazoa, Chordata; Craniata; Verte
Actinopterygii; Neopterygii; Teleostei; Eutel
Acanthomorpha; Acanthopterygii; Percomorpha;
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (MAR-2001) to the EMBL/GenBank/DDBJ
EMBL; AJ309015; CAC81277.1; -; Genomic DNA.
Ensembl; SIMPRUGO0000125998; Fugu rubripes.
GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0005179; F:hormone activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fugu rubripes (Japanese pufferfish) (Takifugu rubripes).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Buteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Takifugu.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=99883;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (Fragment).
ORFNames=GSTENG00025692001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PROSITE; PS00258; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Structure and expression Submitted (MAR-2001) to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Clark M.S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Calcitonin gene related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-JUN-2002 (TrEMBLrel. 01-JUN-2003 (TrEMBLrel.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13863 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   44.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . 21, Last
. 24, Last
d peptide.
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Pred. No. 0.00
3; Mismatches
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31CB14A01BF2CD57 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence update) annotation updat
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0.00015;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Euteleostei; Neoteleostei; rpha; Tetraodontiformes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    update)
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TISSUE=Brain;

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                                                                                                                                                                                                                                                                               Query Match
Best Local :
                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                   DISULFID
                                                                                                       25-OCT-2004 (TrEMBLrel.
25-OCT-2004 (TrEMBLrel.
25-OCT-2004 (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             calcitonin gene-related peptide family from frog skin and molecular cloning of its precursor.";
J. Biol. Chem. 275:5934-5940(2000).
                 Brachydanio rerio (Zebrafish) (Danio rerio).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Meopterygii; Teleostei; Ostariophysi; Cypriniform
Cyprinidae; Danio.
NCBI_TaxID=7955;
                                                                                                                                             Q6DGJ9
                                                                                                                                                      06DGJ9_BRARE PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                  MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                         CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=20148807; PubMed=10681586; DOI=10.1074/jbc.275.8.5934; Seon A.A., Pierre T.N., Redeker V., Lacombe C., Delfour A., Nicolas P., Amiche M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MASS SPECTROMETRY.
                                                                                 ORFNames=zgc:92886;
                                                                                           Zgc:92886.
                                                                                                                                                                                                                                                                                                                                                                             PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                               SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL; Y18495;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             between
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE-Skin;
NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                  PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <del>:</del>
                                                                                                                                                                                                                                                                                                                                                                                                                                         Direct
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amidation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROSITE; PS00258; CALCITONIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FUNCTION: CGRP induces vasodilatation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role (By similarity).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Swiss-Prot entry is copyright. It is produced through a collaboratic
ween the Swiss Institute of Bioinformatics and the EMBL outstation
European Bioinformatics Institute. There are no restrictions on it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUBCELLULAR LOCATION: Secreted.
TISSUE SPECIFICITY: Skin, intestine and brain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MASS SPECTROMETRY: MW=3806.77; METHOD=MALDI;
                                                                                                                                                                                                                    71
                                                                                                                                                                                                                                                                   18;
                                                                                                                                                                                                                                          N
                                                                                                                                                                                                                                                                                                                                                                                                                                       ion; Cleavage on pair of basic residues; protein sequencing; Hormone; Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   long
                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                  CDTSTCATQRLADFLSRSGGIGSPDFVPTDVSANSF 106
                                                                                                                                                                                                                                         CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                71
115 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE, PROTEIN SEQUENCE OF 70-106, CHARACTERIZATION, AND
                                                                                                                                                                                                                                                                                                                                                                           70
107
                                                                                                                                                                                                                                                                                                                                                     106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   as its
                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CAB76385.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   content is
                                                                                                                                                                                                                                                                                                                                                                            115
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                                                                                                                                                                                                                                                                                                                                                                                                                 695
                                                                                                                                                                                                                                                                                                                   12438
                                                                                                                                                                                                                                                                                                                             76
                                                                                                                                                                                                                                                                            46.5%;
                                                                                                       28,
28,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -; mRNA.
                                                                                                    Created)
Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                 7;
                                                                                                                                                                                                                                                                            Score 94;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                     Phenylalanine amide
                                                                                                                                                                                                                                                                                                                                                              endoprotease.
                                                                                                                                                                                                                                                                                                                                                                            Removed in mature
                                                                                                                                                                                                                                                                                                                                                                                         Skin calcitonin
                                                                                                                                                                                                                                                                                                                                                                                                  carboxypeptidase.
                                                                                                                                                                                                                                                                                                                                                                                                              Removed in mature form by
                                                                                                                                                                                                                                                                                                                                                                                                                              Potentia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   in no way modified and this
                                                                                                                                                                                                                                                                                                                 A53D11255CA53D31 CRC64;
                                                                                                                                                       PRT;
                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                     Signal.
                                                                                                                                                       126
                                                                                                                                                                                                                                                                                          DB 1;
                                                                                                                                                                                                                                                                            .8e-05;
                                                                                                                                                       ₿
                                                                                                                                                                                                                                                                                                                                                                                         gene-related
                                                                                                                                                                                                                                                                                        Length 115;
                                                                                                                                                                                                                                                                                                                                                                             form
                                                                                                                                                                                                                                                                                                                                                  (G-107 provides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RANGE=70-106;
                                                                                                                                                                                                                                                                  Indels
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                                             Cypriniformes;
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                                                                                                                                                                                                                                                                                                                                                                                      peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a collaboration
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                                                                                                                                                                                                                                                                                                                                                                                     RESULT 23
Q9BEE1_MACRU
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Magner L., Shenmen C.M., Schuler G.D.,
RA Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altechul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Biatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Brownstein M.J., McKernan K.J., Abramson R.D., Mullahy S.J.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Raha S.S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,
RA Richards S., Worley K.C., Hale S., Garcia B.J., Lu X., Gibbs R.A.,
RA Richards S., Worley K.C., Hale S., Garcia B.J., Nockson M.C.,
RA Blakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
RA Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences ";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best
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InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam: PF00214; Calc GGRP IAPP; T.
PRINTS; PR00813; CALCITONINB.
PRINTS; PR00818; CALCITONIN; 1.
SMART; SM00113; CALCITONIN; 1.
                 Submitted (FEB-2000)
EMBL; AJ286813; CAC2
                                                                                                         NUCLEOTIDE SEQUENCE. van Dijk M.A.M., de Submitted (FEB-2001)
                                                                                                                                                                                              Macropus rufus (Red kangaroo) (Megaleia rufa).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Metatheria; Diprotodontia; Macropodidae; N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (JUL-2004) to the EMBL/GenB EMBL; BC076343; AAH76343.1; -; mRNA. ZFIN; ZDB-GENE-040718-173; zgc:92886.
                                                     NUCLEOTIDE van Dijk M.
                                                                                                                                                                                                                                                        Name=iapp;
                                                                                                                                                                                                                                                                                           01-JUN-2001 (TrEMBLrel. 17, Last sequence update) 01-JUN-2003 (TrEMBLrel. 24, Last annotation updat
                                                                                                                                                                                                                                                                                                                                 01-JUN-2001
                                                                                                                                                                                                                                                                                                                                                    Q9BEE1
                                                                                                                                                                                                                                                                                                                                                                  Q9BEE1_MACRU PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GO; GO:0005576; C:extracellular region; GO; GO:0005179; F:hormone activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Strausberg R.;
                                                                                                                                                                               NCBI_TaxID=9321;
                                                                                                                                                                                                                                                                         Islet amyloid polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Proc.
   GO:0005576;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Natl. Acad.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 CHTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PS00258; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              CNTATCVTHRLADFLSRSGGIGSSKFVPTNVGSQAF 117
                                                                     SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             126 AA;
                                                                                                                                                                                                                                                                                                                               (TrEMBLrel. 17,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
CAC28526.1; -; (Cextracellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                           Jong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13957 MW;
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52.8%;
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                                                                                                                               Σ. Σ.
                                                                                                                                                                                                                                                                       (Fragment).
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                   -; Genomic_DNA.
                                                                                                           EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                 Created)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 92; DB 2;
Pred. No. 8e-05;
                                                                                                                                                                                                                                                                                                                                                                      PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9A9399E3683D7B16 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                      ₿
                                                                                                                                                                                                                                                                                             update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15;
                                    databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 126;
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                                                                                                                                                                                                                     Euteleostomi;
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SQ PTT
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Best Local S
Matches 22
                                                                                                                                                                                                                                                                                                                            01-MAR-1989 (Rel. 10, Created)
01-NOV-1991 (Rel. 20, Last sequence update)
10-MAY-2005 (Rel. 47, Last amotation update)
Calcitonin gene-related peptide precursor (CGRP)
Mame=CALCA; Synonyms=CALC;
Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Craniata; Vertebra
                                                                                                                                  MEDLINE=86030240; PubMed=4054101;
Lasmoles F., Jullienne A., Day F.
                                                                                                                                                                                     MEDLINE-88030046; PubMed=3666142; DOI=10.1016/0014-5793(87)80510-0; Milvielle S., Cressent M., Delehaye M.C., Segond N., Milhaud G., Jullienne A., Moukhtar M.S., Lasmoles F.; "Sequence and expression of the chicken calcitonin gene."; "FBBS Lett. 223:63-68(1987).
                                                                                                                                                                                                                                                                                                                                                                                                                             P10286;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amidation; Direct protein sequencing; Hormone.

MOD RES 37 37 Phenylalanine amide.

DISTUPPID 2 7 By similarity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc_CGRP_IAPP; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Isolation and structural characterization of calcitonin gene-related
           MEDLINE=86248126; PubMed=3487468; DOI=10.1016/0014-5793(86)81425-9; Minvielle S., Cressent M., Lasmoles F., Jullienne A., Milhaud G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRINTS; PR00817; CALCITONINB.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        peptide from the brain and intestine Peptides 14:581-586(1993).
                                         NUCLEOTIDE
                                                                                             direct evidence
                                                                                                                        Moukhtar M.S.
                                                                                                                                                               NUCLEOTIDE SEQUENCE OF 12-73
                                                                                                                                                                                                                                                            NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                     NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                Archosauria; Aves;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       T 20
CHICK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROSITE; PS00258; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        removed.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE=Brain, and Intestine;
MEDLINE=93324452; PubMed=833253; DOI=10.1016/0196-9781(93)90148-A;
                                                                                                       Elucidation of the nucleotide
                                                                  gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   European
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             vessels including the coronary, Its abundance in the CNS also po
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FUNCTION: CGRP induces vasodilatation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     neuromodulator role.
                                                                                                                                                                                                                                                                                                                                                                                                                                        CHICK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 CNTATCATQRLANFLVHS----SNNFGPILPPTNVGSNTY
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pean Bioinformatics Institute.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CNTATCVTHRLADFLSRSGGMAKNNF----VPTNVGSKAF
                                                                              in man and rat.";
                                       SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     as its content
                                                                                                                                                                                                                                                                                                                                                                                                                                        STANDARD;
                                                                                          the nucleotide sequence for the expression of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3887 MW;
                                                                                                                                                                                                                                                                                                                Neognathae;
                                       OF 74-125.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             47.5%;
55.0%;
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Pred. No. 5.4e
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OEFEE3AD2745EBDE CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         yright. It is produced through a collaboration of Bioinformatics and the EMBL outstation -
                                                                                                                                                                                                                                                                                                             Craniata; Vertebrata; Euteleostomi;
; Galliformes; Phasianidae; Phasianinae;
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                                                                                          of chicken calcitonin mRNA: lower vertebrate calcitonin
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                                                                                                                                                                                                                                                                                                                                                                                                                                        8
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                                                                                                                                  Milhaud
         Α.,
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                                                                                          calcitonin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  statement
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RESULT 21
CALCR PHYS
ID CALCR
AC P8156
AC P8156
AC P8157
DT 30-M
DT 10-M
DT 10-M
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CS Buka
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Best Local S
Matches 22
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CONFLICT
SEQUENCE
              30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
10-MAY-2005 (Rel. 47, Last annotation update)
Skin calcitonin gene-related peptide precursor (S-CGRP).
Phyllomedusa bicolor (Two-colored leaf frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Hylidae;
Phyllomedusinae; Phyllomedusa.
                                                                                                                                                                                                                                                   CALCR_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro; IPRO00443; Amylin.
InterPro; IPRO01693; Calcitonin-like.
InterPro; IPRO01693; Calcitonin B.
InterPro; IPRO0163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; T.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; X06311; CAA29630.1; -; Genomic DNA.
EMBL; X06312; -; NOT_ANNOTATED_CDS; Genomic EMBL; X06314; CAA29633.1; -; Genomic DNA.
EMBL; X063012; CAA26796.1; ALT TERM; mRNA.
EMBL; X003012; BAA00006.1; -; Genomic_DNA.
EMBL; D00007; BAA00006.1; -; Genomic_DNA.
PIR; S00154; TCCHRP.
Ensembl; ENSGALG00000006054; Gallus gallus.
                                                                                                                                                                                                                            P81564;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <del>-</del> -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SIGNAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            removed.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROPER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alternative

    -!- SIMILARITY: Belongs to the calcitonin family.

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SUBCELLULAR LOCATION: Secreted.
ALTERNATIVE PRODUCTS:
Event=Alternative splicing; Named
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FUNCTION:
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Its abundance in the CNS also points
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IsoId=P10286-1; Sequence=Displayed;
sme=Calcitonin.
                                                                                                                                                                                                                                                   PHYBI
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                                                                                                                                                                                                                                                                                                                                                               CNTATCVTHRLADFLSRSGGVGKNNF----VPTNVGSKAF 116
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                                                                                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CALCITONIN; 1. ing; Amidation;
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55.0%;
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By similarity.
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Pred. No.
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RESULT 17
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Best Local S
Matches 21
                                                                                                                                                             Amyloid;
PEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=93215963; PubMed=8462765; DOI=10.1007/BF00399947; Christmanson L., Betsholtz C., Leckstroem A., Engstroem U., Co Johnson K.H., Adrian T.E., Westermark P.; "Islet amyloid polypeptide in the rabbit and European hare: stits relationship to amyloidogenesis."; its relationship to amyloidogenesis.
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NON_TER
SEQUENCE
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InterPro; IPRO01693; Calcitonin-1
Pfam; PF00214; Calc CGRP IAPP; 1.
PRINTS; PR00818; ISLETAMYLOID.
                                                                                                                                                                                                  EMBL; S57802; AAB26083.1; -; PIR; I46933; I46933.
                                                                                                                                                                                                                                                                            This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LEPEU
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Amyloid;
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10-MAY-2005
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                                                                                                                                                                             Hormone.
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Eutheria;
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(Rel. 36, Last sequence update)
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(Rel. 47, Last annotation update)
                    Conservative
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78.3%;
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                  Score 96;
Pred. No.
1; Mismatc
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Pred. No. 3.4e-07;
                                                                                                A5EE561D52B353DD CRC64;
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pglires; Glires; Lagomorpha; Leporidae;
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                                                                                                                                       CALCR RANRI
P31888;
                                               01-UUL-1993 (Rel. 26, Created)
01-UUL-1993 (Rel. 26, Last sequence update)
10-WAY-2005 (Rel. 47, Last annotation update)
10-WAY-2005 (Rel. 47, Last annotation update)
Calcitonin gene-related peptide (CGRP).
Calcitonin gene-related peptide (CGRP).
Rana ridibunda (Laughing frog) (Marsh frog).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata,
Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea;
                                                                                                                                                                                                                                                                                                                                         NON TER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "PCR amplification of amylin 3-34 from genomic DNA.";
"PCR amplification of amylin 3-34 from genomic DNA.";
"Bubmitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: Selectively inhibits insulin-stimulated glucose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bos taurus (Bovine).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;
Pecora; Bovidae; Bovinae; Bos.
NCBI_TaxID=9913;
                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; U62626; AAB05915.1; -; Genomic_
InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
Pfam; PF00214; Calc_CGRP_IAPP; 1.
                     NCBI_TaxID=8406;
                                       Pelophylax.
                                                                                                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                      PRINTS;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This Swiss-Prot entry is copyright. It is produced through a collabour the swiss Institute of Bioinformatics and the EMBL outstet the European Bioinformatics Institute. There are no restrictions cuse as long as its content is in no way modified and this statement
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15-JUL-1998 (Rel.
10-MAY-2005 (Rel.
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 PROTEIN SEQUENCE
                                                                                                                                                                     RANRI
                                                                                                                                                                                                                                                                                                                                                                               Amyloid; Hormone.
                                                                                                                                                                                                                                                                                                                                                                                              PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -!- SIMILARITY: Belongs to the calcitonin family.
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                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           adipocyte glucose metabolism.
SUBCELLULAR LOCATION: Secreted.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BOVIN
                                                                                                                                                                                                                                                                                                                                                                                                        ; PR00818; ISLETAMYLOID
SM00113; CALCITONIN; 1.
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47,
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Last annotation updat
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                                                                                                                                                                                                                                                                                    Score 96; I
Pred. No. 4.
                                                                                                                                                                                                                                                                                                                           9A5709394EB44C19 CRC64;
                                                                                                                                                                                                                                                                                                                                                                Islet amyloid polypeptide
                                                                                                                                                         PRT;
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                                                                                                                                                                                                                                                                         Mismatches
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                                                                                                                                                       37
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MBL outstation -
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RESULT 15
IAPP PIG
ID TAPP
AC Q2911
DT 15-JU
DT 15-JU
DT 10-MA
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IAPP_SAGOE
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                                                                                                                                                       Query Match
Best Local S
Matches 24
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Best Local S
Matches 25
                                                                                                                                                                                                                                                                       EMBL; U62627; AAB05918.1; -; Genomic_D)
InterPro; IPR000443; Amylin.
InterPro; IPR0001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETANYLOID.
SMART, SM00113; CALCITONIN; 1.
TIAPP PIG
Q29119;
15-JUL-1998
15-JUL-1998
10-MAY-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Albrandt K., Sierzega M.E., Mull E., Brady E.M.G.;
"PCR amplification of amylin 3-34 from genomic DNA.";
Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.
-I- FUNCTION: Selectively inhibits insulin-stimulated glucose
utilization and glycogen deposition in muscle, while not affecting
addipocyte glucose metabolism.
-I- SUBCELLULAR LOCATION: Secreted.
                                                                                                                                                                                                                 NON_TER
                                                                                                                                                                                                                                                   PROSITE;
Amyloid;
                                                                                                                                                                                                      SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                         This Swiss-Prot entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the Enthe European Bioinformatics Institute. There are no rest
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15-JUL-1998 (Rel. 36, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Islet amyloid polypeptide (Amylin) (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                     removed.
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                                                                                                                                                                                                                                          PEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Callitrichidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebra
Mammalia; Eutheria; Euarchontoglires; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Saguinus oedipus (Cotton-top tamarin).
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                                                                                                                                                                                                                                                                                                                                                                                               European
as long a
                                                                                                                                                                                                                                                                                                                                                                                                                                                     SIMILARITY: Belongs to the calcitonin family.
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                                                                                                                                                                                                                                                            PS00258; CALCITONIN; PARTIAL
                                                                                                         NTATCSMHRLADFLGRSSNNFGAILSPINVGS
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(Rel. 36, Last seq
(Rel. 47, Last ann
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(larity 75.8%;
Conservative
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                                                STANDARD;
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1
                                                                                                                                                                                                    3340 MW;
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                                                                                                                                                                59.4%;
75.0%;
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 sequence up
annotation
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                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                    91A219AEE3882C02 CRC64;
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Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3F0001BB7099770D CRC64;
                                                                                                                                                                                                                                      Islet amyloid polypeptide
                                                PRT;
                                                                                                                                                       Mismatches
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No. 1
           update)
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                                                                                                                                                                  DB 1;
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MBL outstation -
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RESULT 16
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TAPP SHEEP
JAPP SHEEP
C28605;

(15-JUL-1998 (Rel. 36, Created)
T 15-JUL-1998 (Rel. 36, Last sequence update)
T 10-MAY-2005 (Rel. 47, Last annotation update)
JT 10-MAY-2005 (Rel. 47, Last annotation update)
T-1-t amyloid polypeptide (Amylin) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
Matches 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Albrandt K., Sierzega M.E., Mull B., Dand, B. Albrandt K., Sierzega M.E., Mull B., Dand, B. B., PCR amplification of amylin 3-34 from genomic DNA.";

"PCR amplification of amylin 3-34 from genomic DNA.";

Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.

-I- FUNCTION: Selectively inhibits insulin-stimulated glucose utilization and glycogen deposition in muscle, while not a adipocyte glucose metabolism.

-I- SUBCELLULAR IOCATION: Secreted.

-I- SUBCELLULAR IOCATION: Secreted.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sus.
NCBI_TaxID=9823;
[1]
                                                                      NUCLEOTIDE SEQUENCE.

NUCLEOTIDE SEQUENCE.

Albrandt K., Sierzega M.E., Mull B., Brady E.M.G.;

"PCR amplification of amylin 3-34 from genomic DNA.";

"PCR amplification of the EMBL/GenBank/DDBJ databases.

Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.

-!- FUNCTION: Selectively inhibits insulin-stimulated glucose

-!- FUNCTION: Selectively inhibits insulin-stimulated glucose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROSITE;
Amyloid;
PEPTIDE
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            Thie
                                                                                                                                                                                                     Ovis aries (Sheep).
Eukaryota; Metazoa; Chordata; Crani:
Mammalia; Eutheria; Laurasiatheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; U62628; AAB05919.1; -; Genomic InterPro; IPR000443; Amylin. InterPro; IPR001693; Calcitonin-like. Pfam; PF00214; Calc CGRP IAPP; 1. PRINTS; PR00818; ISLETAMYLOID. SMART; SM00113; CALCITONIN; 1.
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                                                                                                                                                                        Pecora; Bovidae;
NCBI_TaxID=9940;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mammalia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE
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                                    utilization and glycogen deposition in adipocyte glucose metabolism. subcELLULAR IOCATION: Secreted. SIMILARITY: Belongs to the calcitonin
           Swiss-Prot entry is copyright.
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                                                                                                                                                                                           Ovis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 107; DB Pred. No. 1.3e 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Islet amyloid polypeptide
                                                                                                                                                                                                        Craniata; Vertebrata; Euteleostomi; neria; Cetartiodactyla; Ruminantia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Craniata; Vertebrata; Euteleostomi; neria; Cetartiodactyla; Suina; Suidae;
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           It is produced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            way modified
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                                     family.
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           through
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          collaboration
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RESULT 12
Q4TB97_TETNG
Q4TB97_TETNG PRELIMINARY;
ID Q4TB97;
AC Q4TB97;
AC Q4TB97;
DT 13-SEP-2005 (TrEMBLrel 31,
DT 13-SEP-2005 (TrEMBLrel 31,
DT 13-SEP-2005 (TrEMBLrel 31,
DT 13-SEP-2005 (TrEMBLrel 31,
DE Chromosome undetermined SCA
DE (Fragment).
GN ORFNames=GSTENGO0003849001;
GS Tetraodon nigroviridis (Gre
OC Eukaryota; Metazoa; Chordat
OC Acanthomorpha; Acanthoptery
OC Tetradontoidea; Tetraodonti
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                                                                                                                                                                                                                                                                                                          Query Match
Best Local S
Matches 27
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EMBL; U62830; AAB05917.1; -; GENOMIC_DN
EMBL; U52830; AAB26084.1; -; mRNA.
PIR; I46934; I46934.
InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
Pfam; PF00214; Calc_CGRP_IAPP; 1.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                PEPTIDE
DISULFID
NON TER
SEQUENCE
Tetraodon nigroviridis (Green puffer).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Actinopterygii; Neopterygii; Teleostei; Buteleostei; Neoteleostei;

Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;

Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      PROSITE; Amyloid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Indels indicate that rodents are monophyletic and lagomorphs their sister group.";
                                                                                                                                                                                                                                                                                                                                                                                                                         SIGNAL
PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Johnson K.H., Adrian T.E., Westermark P.;
"Islet amyloid polypeptide in the rabbit and European hare: st
"Islet amyloid polypeptide in the rabbit and European hare: st
"Islet relationship to amyloidogenesis.";
Diabetologia 36:183-188(1993)
-I- FUNCTION: Selectively inhibits insulin-stimulated glucose
utilization and glycogen deposition in muscle, while not a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE van Dijk M.
                                                                         ORFNames=GSTENG00003849001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=93215963; PubMed=8462765; Christmanson L., Betsholtz C., Lec Johnson K.H., Adrian T.E., Western
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUCLEOTIDE
STRAIN=New
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE OF 36-67.
Albrandt K., Sierzega M.E., M
"PCR amplification of amylin
submitted (AUG-1996) to the E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted [2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          between
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         s Swiss-Prot entry is copyright. It is produced ween the Swiss Institute of Bioinformatics and European Bioinformatics Institute. There are r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             adipocyte glucose metabolism.
SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the calcitonin
                                                                                                                                                                                                                                                                                                       l Similarity
27; Conserv
                                                                                                                                                                                                                                                   <u>ω</u>
                                                                                                                                                                                                                                                                              ب
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            proor
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cleavage on
                                                                                                                                                                                                                                                  KCNTVTCATORLANFLIHSSNNFGAIFSPPSVGS
                                                                                                                                                                                                                                                                           KCNTATCATORLANFLVHSSNNFGPILPPTNVGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PS00258;
                                                                                                                                                                                                                                                                                                                                                                   67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE OF 1-66.

A.M., de Jong W.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zealand white;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          as its content is in no way modified and this statement
                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                23
35
35
67
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                                                                                                                                                                                                                                                                                                                                                                 Å
                                                                                                                                                                                                                                                                                                                                                                          1 pair /
22
31
>67
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                                                                                                                                                                                                                                                                                                                                                                   7230 MW;
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                                                                                                                                                                                                                                                                                                                      73.3%;
79.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to the EMBL/GenBank/DDBJ databases.
                                                                                                 31, Created)
31, Last sequence update)
31, Last annotation updat
SCAF7172, whole genome sh
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NIN; PARTIAL. of basic res
                                                                                                                                                                                                                                                                                                       Score 148; DB Pred. No. 4.8e 2; Mismatches
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EMBL/GenBank/DDBJ o
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By sim
                                                                                                                                                                                                                                                                                                                                                                 BF5FEC2064F69646 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Potential
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                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                            let amyloid
similarity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DOI=10.1007/BF00399947;
ckstroem A., Engstroem U.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                    residues; Hormone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Brady E.M.G.;
                                                                                                                                                                           51
                                                                                                    genome shotgun sequence
                                                                                                                                                                                                                                                                                                                                   В
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and the EMBL outstation
                                                                                                                                                                                                                                                                                                                                   Length
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                                                                                                                                                                                                                                                                                                                                     67;
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                                                                                                                                                                                                                                                                                                        0,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       collaboration -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           affecting
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Q9BEF0_ERIEU
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Best Local S
Matches 27
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A Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
A Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,
A Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,
A Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,
A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
A Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
A Cruaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
A Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,
A Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,
A Kellis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,
A Kindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
A Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,
Meinome duplication in the teleost fish Tetraodon nigroviridis reveal.
The early vertebrate proto-karyotype.";
             SMART; SI
PROSITE;
                                                                                                                             NUCLEOTIDE SEQUENCE.

van Dijk M.A.;

van Dijk M.A.;

submitted (FEB-2000) to the EMBL/GenBank/DDB

EMBL; AJ286815; CAC28520.1; -; mRNA.

GO; GO:0005576; C:extracellular region; IEA.

GO; GO:0005179; F:hormone activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; CA
NON_TER
NON_TER
                          InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc_CGRP_IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                  01-JUN-2001 (TrEMBLrel. 17,
01-JUN-2001 (TrEMBLrel. 17,
01-MAR-2004 (TrEMBLrel. 26,
Islet amyloid polypeptide (F
                                                                                                                                                                                                                                                                van
                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                    Erinaceus europaeus (Western European hedgehog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genoscope; Whitehead Institute Centre for Genome Research; Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-i- CAUTION: The sequence shown here is derived from an
                                                                                                                                                                                                                                               Submitted
                                                                                                                                                                                                                                                                                                          NCBI_TaxID=9365;
                                                                                                                                                                                                                                                                                                                          Erinaceinae;
                                                                                                                                                                                                                                                                                                                                                                                       Name=iapp;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CAUTION: The sequence sh
EMBL/GenBank/DDBJ whole
preliminary data.
                                                                                                                                                                                                                                                              Dijk M.A.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CAAE01007172; CAF89835.1;
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                                                                                                                                                                                                                                            M.A.M., de J
M.FEB-2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY
              PS00258;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KCNTATCVTQRLADFLVRSSNTIGTVYAPTNVGSATY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       51 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Whitehead
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                                                                                                                                                                                                                                                                                                                       Erinaceus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRELIMINARY;
             CALCITONIN; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5599 MW;
                                                                                                                                                                                                                                                              Jong
                                                                                                                                                                                                                                                                                                                                         Laurasiatheria; Insectivora;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        70.8%;
73.0%;
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    Last sequence up
    Last annotation
    (Fragment).

                                                                                                                                                                                   EMBL/GenBank/DDBJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2AB836DCCCB4BBEF CRC64;
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                                                                                                                                                                                                                                                                                                                                           Erinaceidae
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RESULT 10
IAPP_CAVPC
ID IAPP
AC P1296
DT 01-OC
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                                                                                                   S
                                                                                                                                                                            RESULT 9
Q90743 CHICK
ID Q50743 CHICK PRELIMINARY;
AC Q90743;
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Best Local S
Matches 30
                                                                                                                                                                                                                           Ensembl; ENSGALGGO000013168; Gallus gallus.

GO; GO:0005576; C:extracellular region; IEA.

GO; GO:0005524; F:ATP binding; IEA.

GO; GO:0005194; F:ATP binding; IEA.

GO; GO:000519; F:brotein kinase activity; IEA.

GO; GO:00064672; F:protein kinase activity; IEA.

GO; GO:0004672; F:protein amino acid phosphorylation; IEA.

Interpro; IPR000443; Amylin.

Interpro; IPR0001693; Calcitonin-like.

Interpro; IPR0001693; Calcitonin_B.

Interpro; IPR0001693; Calcitonin_B.

R Interpro; IPR000113; Calcitonin_B.

R PRINTS; PR00817; Calc CGRP TAPP; 1.

R PRINTS; PR00817; CALCITONINB.

R PRINTS; PR00817; CALCITONINB.

R PRODOM; PD000001; Prot kinase; 1.

SMART; SM00113; CALCITONIN; 1.
                                                                                                                                       Query Match
Best Local
                                                                                                                             Matches
__CAVPO
__IAPP__CAVPO
__P12966;
__01-OCT-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE-95021303; PubMed=7935487; DOI=10.1210/me.8.6.713; Fan L., Westermark G., Chan S.J., Steiner D.F.; "Altered gene structure and tissue expression of islet amy polypeptide in the chicken."; Mol. Endocrinol. 8.712 7711
                                                                                                                                                                           CHAIN
SEQUENCE
                                                                                                                                                                                                  Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROPEP
MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gallus gallus (Chicken)
Eukaryota; Metazoa; Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-1996 (TrEMBLrel.
01-JUN-2003 (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DISULFID
                                                                                                                                                                                                                        PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasiani
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amyloid protein
                                                                                                                                                                                                                                                                                                                                                                                                               A56855; A56855
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                                                                                                                                                                                                                                                                                                                                                                                                                        L16955; AAA67704.1; -; mRNA.
                                                                                                                             l Similarity
29; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       l Similarity
30; Conser
                                                                             KCNTATCATQRIANFLVHSSNNEGPILPPTNVGSNTY 37
                                                                                                                                                                                                                        PS00258; CALCITONIN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
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23
135
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 (Rel.
                                                                                                                             Conservative
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                                                                                                                                                                           AA;
                     STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         precursor.
12, Created)
                                                                                                                                                                          22 p.
135 a.
14762 MW;
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                                                                                                                                       75.7%;
78.4%;
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73
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. 01, Last sequ
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Last annotation update)
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                                                                                                                                                                         amyloid protein.
; 83DE3223AC735159 CRC64;
                                                                                                                            Score 153; DB 2;
Pred. No. 2.1e-13;
2; Mismatches 6
                                                                                                                                                                                                Potential.
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By similarity.
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                       92
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..4e-14;
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                                                                                                                            6;
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                                                                                                                                                  Length 135;
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Name=IAPP; Islet amyloid

polypeptide

precursor

on update) (Amylin)

(Fragment)

Oryctolagus. NCBI_TaxID=9986;

Oryctolagus cuniculus (Rabbit). Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Lagomorpha; Leporid

Leporidae;

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RESULT 11
IAPP_RABIT
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                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AMBL; M25387; AAA...

PIR; D33542; D33542.

InterPro; IPR000443; Amylin.

InterPro; IPR001693; Calcitonin-like.

InterPro; IPR001693; Calcitonin B.

Pfam; PF00214; Calc (CRP IAPP; I.

PRINTS; PR00817; CALCITONINB.

PRINTS; PR00818; ISLETAMYLOID.

SMART; SM00113; CALCITONIN; 1.

SMART; SM00113; CALCITONIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; C
Mammalia; Eutheria; E
Hystricognathi; Cavii
NCBI_TaxID=10141;
                                                                                                                                                                                                                                                                                                                                                                                                                                 DISULFID
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIINE B9345542; PubMed=2668946;
MEDIINEB9345542; PubMed=2668946;
Nishi M., Chan S.J., Nagamatsu S., Bell G.I., Steiner D.F.;
Nishi M., Chan S.J., Nagamatsu S., Bell G.I., Steiner D.F.;
"Conservation of the sequence of islet amyloid polypeptide in mammals is consistent with its putative role as an islet hormo mammals is consistent with its putative role as an islet hormo Proc. Natl. Acad. Sci. U.S.A. 86:5738-5742(1989).

-I- FUNCTION: Selectively inhibits insulin-stimulated glucose
TAPP_RABIT STANDARD; PRT;

(207334; Q28741; Q98ED7;

15-JUL-1998 (Rel. 36, Created)

28-FEB-2003 (Rel. 41, Last sequence up

10-MAY-2005 (Rel. 47, Last annotation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PROPEP
PEPTIDE
PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=IAPP;
Cavia porcellus (Guinea pig).
Cavia porcellus (Chordata)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This Swiss-Prot entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the Entrepean Bioinformatics Institute. There are no resti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               utilization and glycogen deposition in muscle adipocyte glucose metabolism.
-i- SUBCELULAR LOCATION: Secreted.
-i- SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-OCT-1989 (Rel. 12, Last sequence update) 10-MAY-2005 (Rel. 47, Last annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   removed
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                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                            KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                KCNTATCATORLTNFLVRSSHNLGAALLPTDVGSNTY
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iidae; Cavia.
                                                                                                                                                                                                                                                                                                                                                        74.8%;
78.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                         group).
By similarity.
67F3629014BF3F9C CRC64;
                                                                                                                                                                                                                                                                                                                                                        Score 151;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tyrosine amide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Potential.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pair of basic
                                                                                                                                                                                                                                                                                                                              Mismatches
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(Amylin).
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                                                                                                                                                                                                                                                                                                                                6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         residues; Hormone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Steiner D.F.;
polypeptide in fives an islet hormone.
                                                                                                                                                                                                                                  73
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RESULT 7
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Best Local S
Matches 32
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PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amudation; Amyloid; Cleavage on pair of basic residues; Direct protein sequencing; Hormone; Signal.
SIGNAL 1 22
      InterPro; IPR000443; Amylin.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc_CGRP_IAPP; I.
                                                                           EMBL; X59998; CAA42616.1;
EMBL; M37720; AAA30849.1;
                                                                                                                             uge
                                                                                                                                       the
                                                                                                                                                                                                                                  "Canine IAPP CDNA sequence provides important clues regarding disbetogenesis and amyloidogenesis in type 2 diabetes."; Biochem. Biophys. Res. Commun. 169:502-508(1990).

-I- FUNCTION: Selectively inhibits insulin-stimulated glucose
                                                                                                                                                                                                                                                                                                                                                        MEDLINE=92182022; PubMed=1543754; DOI=10.1016/0167-Albrandt K., Mull E., Cooper G.J.S., Johnson M.J.; "Nucleotide sequence of a cDNA for canine amylin.";
                                                                                                                                                                                                                                                                                                                                                                                                                                          Canis familiaris (Dog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canida
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-AUG-1990 (Rel.
01-FEB-1994 (Rel.
10-MAY-2005 (Rel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRINTS; PRO0818; ISLETAMYLOID. SMART; SM00113; CALCITONIN; 1. PROSITE; PS00258; CALCITONIN; 1.
                                                      Ensembl; ENSCAFG00000012365;
                                                                                                                 removed
                                                                                                                                                     between
                                                                                                                                                                This
                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE OF 43-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Islet amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IAPP
                                                                                                                                                                                                                                                                                                           MEDLINE=90290487; PubMed=2192709;
                                                                                                                                                                                 adipocyte glucose metabolism.
SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                         European
                                                                                                                                                                                                                                                                                                                                                                                                                   [_TaxID=9615;
                                                                                                                                                                                                                         utilization and glycogen deposition in muscle,
                                                                                                                                     Swiss-Prot entry is copyright. It is produced een the Swiss Institute of Bioinformatics and European Bioinformatics Institute. There are r
                                                                  S22344; S22344.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                              Biophys. Acta 1130:97-99(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KCNTATCATQRLANFLIRSSNNLGAILSPINVGSNTY 70
                                                                                                                                                                                                                                                                                                Murtaugh M.P., O'Brien
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AA;
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23
34
74
70
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Rel. 28, Last sequence update)
Rel. 47, Last annotation updat
Rel. 47 (hast annotation dany
polypeptide precursor (Amylin
                                                                                                                            118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STANDARD;
                                                                                                                            content is in no
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9832
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89
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86.5%;
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                                                                            mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              group).
By similarity.
0834D783DEAD72A8 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 171;
Pred. No. 3
                                                      Canis familiaris.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tyrosine amide
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                                                                                                                                                                                                                                                                                                                                                                     DOI=10.1016/0167-4781(92)90470-K;
5., Johnson M.J.;
                                                                                                                           way modified and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (Amylin)
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                                                                                                                                       There are no
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.8e-16;
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                                                                                                                                                ced through a collaboration -
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                                                                                                                                       restrictions
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RESULT 8
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Best Local
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CONFLICT
SEQUENCE
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PEPTIDE
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                                   Signal.
                                                                                                                             InterPro; IPR001693; Calcitonin-like.
InterPro; IPR002163; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00817; CALCITONINB.
PRINTS; PR00818; ISLETAMYLOID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Mammalia, Eutheria, Euarchontoglires, Glires, Rodent Hystricognathi, Octodontidae, Octodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Signal.
                                                                                                                                                                                                                                          EMBL; M57669; AAA405
PIR; A36118; A36118.
                                                                                                                                                                                                                                                                                                                                                                                This
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-AUG-1991 (Rel.
01-AUG-1991 (Rel.
10-MAY-2005 (Rel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRINTS; PRO0818; ISLETAMYLOID SMART; SM00113; CALCITONIN; 1 PROSITE; PS00258; CALCITONIN;
                                                                                                               SMART;
                                                                                                                                                                                                                                                                                                                                          the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Cloning of complementary DNAs encoding insulin, and glucagon precursors from a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nishi M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Octodon degus (Degu)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=IAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IAPP_OCTDE P22889;
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                                                                         Amidation;
                                                                                           PROSITE;
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                                                                                                                                                                                                                                                                                                      removed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=91155952;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Islet amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                  utilization and glycogen deposition in muscle adipocyte glucose metabolism. SUBCELLULAR IOCATION: Secreted. SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Endocrinol. 4:1194-1190117777.

FUNCTION: Selectively inhibits insulin-stimulated glucose denomination in muscle, while not a
                                                                                                                                                                                                                                                                                                                                        Swiss-Prot entry is copyright. It is produced through een the Swiss Institute of Bioinformatics and the EN European Bioinformatics Institute. There are no restr
                                                                                                                                                                                                                                                                                                                                          European
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                                                                                                           SM00113; CALCITONIN; 1.
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                                                                                           PS00258;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1155952; PubMed=2293024; Steiner D.F.;
                                                                       Amyloid;
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                                                                                           CALCITONIN;
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86.5%;
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By similarity.
S -> T (in Ref. 2)
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Pred. No. 7.2e-16;
1; Mismatches 4
Islet amyloid polypeptide
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TRF CRC64;
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MIN: 147940;

GO; GO:0005625; C:soluble fraction; TAS.
GO; GO:0005102; F:receptor binding; TAS.
GO; GO:0006915; P:apoptosis; TAS.
GO; GO:0006915; P:apoptosis; TAS.
GO; GO:0007165; P:signal transduction; TAS.
GO; GO:0007165; P:signal transduction; TAS.
InterPro; IPR001443; Amylin.
InterPro; IPR001693; Calcitonin-like.
InterPro; IPR001693; Calcitonin B.
Pfam; PF00214; Calc CGRP IAPP; I.
PRINTS; PR00815; CALCITONINB.
R PRINTS; PR00818; ISLETAMYLOID.
R PRINTS; PR00818; ISLETAMYLOID.
R SMART; SM00113; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; 1.
PROSITE; PS00258; CALCITONIN; Descention; Amyloid; Cleavage on pair of base and dation; Amyloid; Cleavage on pair of base contents.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=99010531; PubMed=9794116; DOI=10.1007/8001250051060;

A Chuang L.M., Lee K.C., Huang C.N., Wu H.P., Tai T.Y., Lin B.J.;

T "Role of $206 mutation of amylin gene in insulin secretion, insul

T sensitivity, and type II diabetes mellitus in Taiwanese patients.

Line of $206 mutation of amylin gene in insulin secretion, insul

T sensitivity, and type II diabetes mellitus in Taiwanese patients.

Line of $206 mutation of approximate the period deposition in muscle, while not affer utilization and glycogen deposition in muscle, while not affer adipocyte glucose metabolism.

C i SUBCELULAR LOCATION: Secreted.

C i DISABS: IAPP is the peptide subbnit of amyloid found in pancreatic islets of type 2 diabetic patients and in insulinc in sulling to the calcitonin family.
                                                                                                                                                                                                                                                                                                                                                                   EMBL; M27503; AAA35524.1;
EMBL; X14904; CAA33032.1;
EMBL; X14905; CAA33031.1;
EMBL; X14905; CAB57803.1;
EMBL; X14902; CAB57803.1;
EMBL; X14902; CAB57803.1;
EMBL; X13859; CAB57803.1;
EMBL; M21650; AAA52281.1;
EMBL; M21650; AAA52983.1;
EMBL; M25650; AAA35983.1;
EMBL; X52818; CAA37002.1;
EMBL; X52818; CAA37002.1;
EMBL; X52819; CAA39504.1;
EMBL; X55634; CAA39504.1;
EMBL; X5634; CAA39504.1;
EMBL; X58630; CAA49724.1;
EMBL; X58631; CAA39504.1;
PEPTIDE
PROPEP
MOD_RES
                                              Direct
SIGNAL
PROPEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sakagashira S., Sanke T., Hanabusa
Kumagaye K.Y., Nakajima K., Nanjo |
Kumagaye mutation of amylin gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Solution structures of calcitonin-gene-related-peptide analogues calcitonin-gene-related peptide and amylin.";
Biochem. J. 275:785-788(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=96368727; PubMed=8772735;
Sakagashira S., Sanke T., Hanabus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRUCTURE BY NMR OF IAI MEDLINE=91248117; PubMe Hubbard J.A.M., Martin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Swiss-Prot entry is copyright. It is produced the een the Swiss Institute of Bioinformatics and to European Bioinformatics Institute. There are no
                                                                                                                                                                                                                                                                                                                                                           S04016; TCHUIA.
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17; PubMed=2039456;
Martin S.R., Chaplin L.C., B
                                                                                                                                                                                                                                                                                                                                                                    mRNA.
-; Genomic DNA.
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ion, insulin
patients.";
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RP MUCLEO
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EMBL; M25388; AAA...

( PIR; A33542; A33542.

R InterPro; IPR000443; Amylin.

InterPro; IPR001693; Calcitonin-like.

TarPro; IPR002163; Calcitonin B.

TarPro; IPR002163; Calcitonin B.
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Matches 34
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SEQUENCE
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VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Betsholtz C., Christmanson L., Engs
O'Brien T.D., Murtaugh M., Johnson
"Structure of cat islet amyloid pol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diabetic cat are derived in normal islet cells."; Proc. Natl. Acad. Sci. U.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PROTEIN SEQUENCE OF 34-50.
MEDLINE=87231921; PubMed=3035556;
Medline=0., Wilander
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=89345542; PubMed=2668946;
Nishi M., Chan S.J., Nagamatsu S., Bell G.I., &
"Conservation of the sequence of islet amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mammals is consistent with its putative role as an Proc. Natl. Acad. Sci. U.S.A. 86:5738-5742(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mammalia, Eutheria, Felinae, Felis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Felis silvestris catus (Cat).
Eukaryota; Metazoa; Chordata;
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13-SEP-2005
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01-OCT-1989
                                                                                                                                                                                                                            the European
                                                                                                                                                                                                                                                 between
                                                                                                                                                                                                                                                                                                                                                                                                            Diabetes 39:118-122(1990).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE OF 34-70.
MEDLINE=91006862; PubMed=2210054;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Johnson K.H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                 Formation."
                                                                                                                                                                                                                                                                                                     FUNCTION: Selectively inhibits insulin-stimulated glucose utilization and glycogen deposition in muscle, while not adipocyte glucose metabolism.
SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the calcitonin family.
                                                                                                                                                                                                                        Swiss-Prot entry is copyright. It is produced een the Swiss Institute of Bioinformatics and European Bioinformatics Institute. There are r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FELCA
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(Rel. 12, Last sequence update)
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ugh M., Johnson K.H., Westermark P.;
slet amyloid polypeptide and identification
of potential significance for islet amyloid
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By similarity.
S -> G (in dbSNP:1800203).

/FTId=VAR 012080.
S -> C (in Ref. 4; CAA39504
AA8B1F7FD9FCB4BD CRC64;
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     hits satisfying chosen parameters:
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Matches 37
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                      25-MAR-2003
07-SEP-1993
                                                                           AAR37792;
                                                                                                         AAR37792 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                         Sequence 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Use of amylin and opt. insulin for treating anorexia - increases plasma amylin and/or insulin levels, also for treating cachexia conditions, adipose tissue deficiency etc.
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03-APR-1992;
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20-APR-1993
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Disulfide-bond Modified-site
                                                                                                                                                                                                              AAW22540;
                                                                                                                                                                                                                                               AAW22540 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 43; Fig 1 and Page 22; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New amylin agonist peptide(s) - used for treatment hypoglycaemia and diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaeta LSL,
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                                                                      Synthetic
                                                                                                       appetite
                                                                                                                                          Amylin agonist peptide 25,28,29-Pro-h-amylin
                                                                                                                                                                             12-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1993-182488/22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hypoglycaemia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO9310146-A1
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                                                                                                                                                                                                                                                                                                                                                              KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                37 AA;
                                                                                                       regulation;
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ilarity 100.0%;
Conservative (
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                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               insulin; pancreatic amyloid; diabetes mellitus; glucagon;
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Location/Qualifiers
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                                                                                                       agonist;
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Pred. No. 6.4e-21
; Mismatches (
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                                                                                                       hybrid; CCK; cholecystokinin
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 37;
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Best Local S
Matches 37
  24-MAY-1991;
27-SEP-1993;
                                                                                                                                                                                                                                                                               Amino acid sequence of the 25-28-29-Pro-human-amylin peptide.
                                                                                                                                                                                                                                                                                                                                  04-DEC-1998
                                                                                                                                                                                                                                                                                                                                                                                                                   AAW74607 standard; peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     are new hybrid peptides comprising an amylin agonist peptide and a CCK agonist peptide covalently linked e.g. by the group -R1-R2-R3-R4-R5-where R1 = CONH(CH2)n, COO(CH2)n or CO((CH2)n; R2 = OCO((CH2)n, MICO(CH2)n, OCO(CH4) or tho, meta or para linked), COOC6H4 or MICOC6H4 (both ortho, meta or para linked), CONHC6H4NH (ortho, meta or para substituted), CON CS or CNH; R4 = O or NH; R5 = (CH2)nNHCO, (CH2)nOC0 or (CH2)nCO; n = 1-6; and X = any amino acid linked via its carboxyl group. Administration of amylin and CCK agonists in conjunction produces a greater effect than either administered alone; e.g. O.1 microgram/kg of each peptide causes a substantial reduction of food intake about equivalent to that seen with 100 microgram/kg of either peptide which can be used as a component of the composition or of the behalf the causes and the composition or of the behalf the cause of the composition or of the behalf the cause of the composition or of the composition or of the behalf the cause of the composition or of the behalf the cause of the composition or of the compos
                                                                13-JUN-1994;
                                                                                                                                                        US5814600-A
                                                                                                                                                                                                   Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Compositions comprising amylin and cholecystokinin agonists - useful for reducing food intake, suppressing appetite and controlling body weight.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            suppress food intake,
mammal, comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 19,48; Page 45,53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-JUN-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-JUN-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         37;
                                                                                                                                                                                                                                        amylin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 s food intake, control appetite or control body weight in a comprising an amylin agonist and a cholecystokinin (CCK) agonist in a form suitable for therapeutic administration. Also disclosed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AMYLIN PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    discloses a composition which can be used to reduce or
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  91US-00704995
93US-00127705
                                                                  94US-00259762
                                                                                                                                                                                                                                          mutant;
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                                                                                                                                                                                                                                                                                                                             entry)
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                                                                                                                                                                                                                                          insulin; diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               66pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
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RESULT 5
AAW90165
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Best Local :
                                   This invention describes a method for treating or preventing obesity human by administering amylin or amylin agonist. The method is used t reduce insulin-induced weight gain in human subjects taking insulin, patients with diabetes mellitus. Amylin or amylin agonist are administered subcutaneously 1-4 (especially 3) times/day at 30-300 (especially 60) mu g/dose. This peptide is a claimed example of an am
                                                                                                                                                        Method for treating or preventing obesity in human administering to subject amylin or amylin agonist, treating patients with diabetes mellitus.
Sequence 37 AA,
                                                                                                                                                                                                              WPI; 1999-070240/06
                                                                                                                                                                                                                                        Duft BJ,
                                                                                                                                                                                                                                                                                            06-JUN-1997;
                                                                                                                                                                                                                                                                                                                       05-JUN-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Amylin; treatment; prevention; obesity; agonist; diabetes mellitus; insulin induced weight gain; pramlintide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW90165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This is the amino acid sequence of the 25-28-29-Pro-human-amylin peptide used in the method of the invention with insulin as part of a composition to treat diabetes. Side effects of high insulin concentrations are suppressed by amylin. This sequence was not given, but was created using
                         agonist (pramlintide)
                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human amylin agonist peptide 25,28,29Pro-h-amylin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 9; Page; 26pp; English
                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       information given in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Composition for treating diabetes - comprising insulin and amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
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                                                                                                                               Page 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                standard; peptide; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                       Kolterman O;
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ilarity 100.0%;
Conservative (
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                                                                                                                            53pp; English.
                          used in the method of the invention
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Pred. No. 6.4e-21;
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Length 37;

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Best Local S
Matches 37
                      This sequence represents a human amylin analogue, that acts as a amylin agonist. The invention relates to a liquid pharmaceutical formulation (A), that contains (wt./vol.): 0.01-0.5% amylin agonist (I); 1-10% carbohydrate or polyol (II); and 0.02-0.5% acetate, phosphate, citrate or glutamate buffer (III); and 0.02-0.5% acetate, phosphate, citrate or glutamate buffer (III); and has pH 3-6. (A) are used, in conjunction with insulin, for treatment of diabetes, specifically to reduce post-prandial increases in glucose levels of the blood. In these formulations, (I) is stabilised, especially against deamidation and peptide bond hydrolysis for up to 4 years at 5 degrees C and 30 days at 30 degrees C, without addition of a separate stabiliser. They also retain short-term (up to 24 hr) stability when combined with insulin, allowing both agents to be administered together, reducing the number of injections required. Note: This sequence was created by the indexer from information given in the specification
Sequence 37 AA;
                                                                                                                                                                                                                                     Disclosure; Page; 71pp; English.
                                                                                                                                                                                                                                                                             Stabilized liquid formulation for treatment of insulin-dependent diabetes
                                                                                                                                                                                                                                                                                                            WPI; 1999-458254/38
                                                                                                                                                                                                                                                                                                                                       L'italian J,
                                                                                                                                                                                                                                                                                                                                                                                                09-JAN-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  therapy; mutein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pro25, Pro28,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY22437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Amylin agonist; human; insulin; diabetes; post-prandial glucose level;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                   AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                       Musunuri S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pro29 amylin analogue.
                                                                                                                                                                                                                                                                                                                                                                                                98WO-US000288
                                                                                                                                                                                                                                                                                                                                                                                                                         98WO-US000288
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/label= S28P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    label=
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                                                                                                                                                                                                                                                                                                                                     Ruby C;
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Pred. No. 6.4e-21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
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                                                       Best Local
Matches
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                                                                                                                                     cerebroventricularly. The specification describes a method for treating or preventing a condition for which a non-steroidal anti-inflammatory agent (NSAID) is indicated, comprising administering amylin or amylin agonist, which is not calcitonin, together with NSAID and also a composition comprising an amylin or an amylin agonist or their salts, except calcitonin and a NSAID in a carrier. The amylin composition is used to treat humans by administering it subcutaneously, intravenously or by nasal, oral, pulmonary, transdermal and buccal routes. The method is also used to treat pain, fever, inflammation, arthritis, hypercoagulation and other condition where an NSAID would be indicated. The present sequence is an example of an agonist used in the method
                                                                                                                                                                                                                                                                                                  This invention relates to a method for treating or preventing or gastric ulceration which comprises administering amylin or agonist. Amylin administration is not carried out intra-
                                                                                                               Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                        Method for treating or preventing gastritis - amylin or amylin agonist, except calcitonin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW90144 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-NOV-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO9850059-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Amylin; human; agonist; gastritis; gastric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human amylin agonist peptide 25,28,29-Pro-amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-MAR-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              non-steroidal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          n; human; agonist; gastritis; gastric ulceration; treatment; teroidal anti-inflammatory agent; NSAID; intravenous; subcut fever; inflammation; arthritis; hypercoagulation.
                                                       37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          37;
                                                                     Similarity
                KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                             Page 42; 48pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gedulin B,
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100.0%; F
tive 0;
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                                                          Score 202; LL _.
No. 6.4e-21;
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                                                       Mismatches
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                                                                                 Length 37;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           subcutaneous;
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                                                                                                                                                                                                                                                                                                                 gastritis
an amylin
                                                      Gaps
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Query Match Best Local Similarity

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Score Pred.

202; DB 2; No. 6.4e-21;

Length 37;

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RESULT 9
ABB05489
ID ABB0
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AC ABB0
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ID AABI
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Best Local Similarity
Matches 37; Conserv
                                                                                                                                                                                                                                                                                                            The present sequence represents an amylin agonist analogue compound. Amylin or amylin agonists are administered for reducing gastric motility or delaying gastric emptying, and for treating postprandial dumping syndrome or postprandial hyperglycenia, by inducing amylin activity, in a mammal. The peptides are used to reduce gastric motility or for delaying gastric emptying in a mammal undergoing gastrointestinal diagnostic procedures, such as radiological examination or magnetic resonance imaging. They are also used for reducing gastric motility in gastrointestinal disorder, especially spasm, which is associated with a disorder of acute diverticulitis or disorders of biliary tract or sphincter of oddi. They are also used to treat postprandial dumping syndrome or postprandial hyperglycemia
                                                                                                                                                                                                                                                                                      Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Treating gastrointestinal disorder e.g. spasm by reducing gastric motility or delaying gastric emptying, postprandial dumping syndrome or postprandial hyperglycemia, by administering amylin or amylin agonist.
                19-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Col 35-36; 50pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-601336/57.
                                                ABB05489;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amylin agonist; amylin; gastric motility; gastric emptying; postprandial dumping syndrome; postprandial hyperglycemia; gastrointestinal diagnostic procedure; gastrointestinal disorder; spasm; acute diverticulitis; biliary tract disorder; sphincter of oddi disorder.
                                                                             ABB05489 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-SEP-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB18572 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amino acid sequence of an amylin agonist analogue compound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sulfide-bond
                                                                                                                                                                                                                     37;
                                                                                                                                                                          KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                           KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rink TJ,
                                                                                                                                                                                                                       Conservative
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                (first entry)
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                                                                            peptide; 37
                                                                                                                                                                                                                                      100.0%;
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                                                                                                                                                                                                                  Score 202; DB 3; L
; Pred. No. 6.4e-21;
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                                                                                                                                                                                                                                                   Length 37;
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RESULT 10
ADF17060
ID ADF17
XX
AC ADF17
XX
DT 12-FE

ADF17060 standard; protein;

37

0

ADF17060;

12-FEB-2004 (first entry)

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                                                                                                                                                                                                             CC The package comprises a borosilicate glass vial having an open end, a compared of the vial and an aluminium band to retain the comparine with the amylin and/or amylin agonist compared in the open end of the vial. The package also comprises a comparine of the vial. The package also comprises a comparine of the vial. The package also comprises a comparine of the vial. The package also comprises a comparine of the treatment of patients with type II diabetes. The committed comprises amylin agonist which is biologically active, has a reduced tendency to form aggregates in water or at a pressure of greater chan 2 psi and has a reduced tendency to precipitate in the presence of CC macli compared to human amylin. The formulation maintains stability upon comparints in improved stability of the hormone and the patients no longer need to refrigerate the vial of insulin in use. The present sequence can be used as an amylin peptide analogue (called pramlintide), which can be used as an amylin agonist in the present invention. N.B. The compared the vial of the present sequence is not given in the present specification but is derived to compared the vial of the present specification but is derived to compare the vial of the present specification but is derived to compare the vial of the present specification but is derived to compare the vial of the present specification but is derived to compare the vial of the present specification but is derived to compare the vial of the present specification but is derived to compare the vial of the present specification but is derived to compare the present specification but is derived to the present specification 
                                                                                                          Matches
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                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a buffer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; amylin agonist; amylin peptide analogue; acetate; carbohydrate; liquid pharmaceutical formulation; polyhydric alcohol; phosphate; citrate; glutamate; buffer; antidiabetic; type II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page; 19pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New pharmaceutical formulation useful for treating patients with type diabetes comprises amylin agonist, carbohydrate or polyhydric alcohol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      L'italien J, Musunuri
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2001043934-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (RUBY/)
                                                                                                                                Local Similarity
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                                   KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
KCNTATCATORLANFLVHSSNNFGPILPPINVGSNTY 37
                                                                                                                                                                                                             37 AA;
                                                                                                     Conservative
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                                                                                                                              Score 202; DB 5
Pred. No. 6.4e-2
                                                                                                     Mismatches
                                                                                                                                                      DB 5; Length 37;
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                                                                                               This invention relates to a novel albumin fusion protein having albumin CC or biological activity. Human serum albumin is responsible for a CC significant proportion of the osmotic pressure of serum and also CC functions as a carrier of endogenous and exogenous ligands. The fusion of CC albumin to a therapeutic protein may increase shelf-life and stability of CC the therapeutic protein. The albumin fusion protein of the invention may CC allow production of compositions with antidiabetic activity whilst the CC nucleotide sequence which encodes it may be useful for gene therapy. The CC diabetes mellitus. The present sequence is that of a therapeutic protein CC which was fused with human albumin to create a novel albumin fusion CC protein of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic CC format directly from WIPO at ftp.wipo.int/pub/publishedpct_sequences
                                                       Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-MAY-2002;
24-MAY-2002;
28-MAY-2002;
05-JUN-2002;
                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                       Example 4; SEQ ID NO 2200; 24pp; English
                                                                                                                                                                                                                                                                                                                                                  treating
                                                                                                                                                                                                                                                                                                                                                               New albumin fusion protein, useful for
                                                                                                                                                                                                                                                                                                                                                                                                                   Ballance DJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-JUL-2002;
09-AUG-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              albumin fusion protein; albumin activity; human serum albumin; serum osmotic pressure; shelf-life; stability; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human albumin fusion protein-related protein SeqID2200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-AUG-2002;
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28-JAN-2002;
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                                          l Similarity
37; Conserv
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KCNTATCATORLANFLVHSSNNEGPILPPINVGSNTY 37
                                                                                               37
                                                                                                                                                                                                                                                                                                                                                    diabetes mellitus.
                                          100.0%;
ilarity 100.0%;
Conservative 0,
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2002US-0382617P
2002US-0389123P
2002US-0389123P
2002US-0385708P
2002US-0394625P
2002US-0398008P
2002US-0402131P
2002US-0402131P
2002US-0401355P
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2002US-0351360P
2002US-035370P
2002US-03560000P
2002US-0367500P
2002US-0370227P
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2002US-0420246P
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                                                                                                                                                                                                                                                                                                                                                                                                                   Turner AJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  pressure; shelf-life; sta
diabetes mellitus; human.
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                                      Score 202; Ub ',
Pred. No. 6.4e-21;
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RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                Reducing gastric motility or delaying gastric emuseful for treating post-prandial hyperglycemia, an amylin or an amylin agonist.
                                                   ADN16159;
                                                                          ADN16159 standard; peptide; 37
                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                         Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-118064/12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-SEP-1993;
07-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gastric motility; gastric emptying; amylin agonist; therapy; diagnosis; antidiabetic; hypoglycaemia; human.
                                                                                                                                                                                                                                                                       human amylin agonist analogue.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22-MAY-2000; 2000US-00576062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-AUG-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US6608029-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human amylin agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI36171;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADI36171 standard; peptide; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                         \vdash
                                                                                                                                                                μ
                                                                                                                                                                                           l Similarity
37; Conserv
                                                                                                                                                          KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                         KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                               37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                         100.0%; ilarity 100.0%; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 1; 51pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                93US-00118381
94US-00302069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               anologue #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Amidated tyrosine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rink TJ, Keating
                                                                                                                                                                                           0
                                                                                                                                                                                         Score 202; DB 8;
Pred. No. 6.4e-21;
; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Brown
                                                                                                                                                                                                                                                                                                                                                                                                                            emptying in a mammal,
la, comprises administering
                                                                                                                                                                                                                  Length 37;
                                                                                                                                                                                           Indels
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                                                                                                                                                                                           0,
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Human peptide hormone Amylin-analogue 25,28,29Pro-h-amylin.

29-JUL-2004

(first entry)

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RESULT 13
ADC51015
ID ADC51
XX
AC ADC51
XX
XX ADC51
XX
XX Human
XX
KW Gastr
KW Postp
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                                                                                                                                                                                                                                                                               Query Match
Best Local S
Matches 37
                                                                                                                                                                                                                                                                                                                                                                    The invention relates to treating pancreatitis or in relieving pain caused by pancreatitis in a mammalian subject comprises administering to the subject an amount of an Amylin (a peptide hormone which inhibits insulin and glucagon secretion), Amylin analogue or an Amylin agonist, where the Amylin agonist is not calcitonin. Also included is a method of improving a treatment for pancreatitis in a mammalian subject. The Amylin analogue is 25,28,29Pro-h-amylin. The method further comprises administering to the subject an analgesic. The regime includes a low-fat diet. The methods are useful in treating pancreatitis or relieving pain caused by pancreatitis in a mammalian subject. The present sequence represents human Amylin analogue 25,28,29Pro-h-amylin. Note: The present sequence is not shown in the specification but was created by the indexer using the information in claim 9 and wild-type amylin (ADN16157).
Gastric motility; delay gastric emptying; amylin; agonist; postprandial dumping syndrome; postprandial hyperglycemia;
                                                                                                                                                                                                                                                                                                                                             Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Treating pancreatitis or relieving pain caused by pancreatitis comprises administering to the subject an amylin, amylin analog or an amylin
                                            Human amylin agonist peptide analogue #1.
                                                                                                                                       ADO51015 standard; peptide; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 9; Page; 33pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-SEP-2003; 2003WO-US030224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004037168-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; hormone; Amylin; insulin secretion; glucagon secretion; pancreatitis; anti-inflammatory; low fat diet; pain; 25; 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29Pro-h-amylin; mutant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                Similarity
37; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             В
                                                                                                                                                                                                                                    KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                    KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                             Ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA;
                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "Wild-type Ser substituted by Pro'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "Wild-type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           note= "Wild-type Ala substituted by Pro"
                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                             Score 202; DB 8;
Pred. No. 6.4e-21;
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                                                                                                                                                                                                                                                                                Mismatches
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                                                                                                                                                                                                                                                                                                           Length 37;
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                                                                                                                                                                                                                                                                               Indels
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RESULT 14
ADV92837
ID ADV92
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Matches
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                                                                                                                                                                                                                                                                                                                                                                           The present invention is directed to novel methods for reducing gastric motility and delaying gastric emptying which comprises the administration of an amylin or an amylin agonist. The invention is useful for treating postprandial dumping syndrome, postprandial hyperglycemia and reducing gastric motility associated with gastrointestinal disorders such as spasm or delaying gastric emptying in a mammal undergoing a gastrointestinal disgnostic procedure such as radiological examination and magnetic resonance imaging. The invention is also useful for lowering postprandial blood glucose levels during treatment of diabetes. The present sequence
                                               delivery mechanism; viral infections; virucide; bacterial infection; antibacterial; amylin.
                                                                                                              24-MAR-2005
                                                                                                                                                                                                                                                                                                                             Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of amylin agonist for reducing emptying and for treating postprand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (KOLT/)
(YOUN/)
(RINK/)
                       Unidentified
                                                                                  Amylin peptide amino acid
                                                                                                                                      ADV92837;
                                                                                                                                                             ADV92837 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 1; 35pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              emptying and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-389180/36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-SEP-1994; 94US-00302069
22-MAY-2000; 2000US-00576062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gastrointestinal disorder; spasm; radiological examination;
magnetic resonance imaging; diabetes; therapy; human.
                                                                                                                                                                                                                                                                                                                                                                  is human amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-AUG-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (BROW/)
                                                                                                                                                                                                                                                                                         Local
                                                                                                                                                                                                                                          1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                             37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KOLTERMAN O YOUNG A A.
                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEATING BROWN K A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RINK T J.
                                                                                                                                                                                                                            KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                              A
A
                                                                                                                                                                                                                                                                            100.0%; ilarity 100.0%; Conservative
                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2003US-00643681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  93US-00118381.
94US-00302069.
                                                                                                                                                                                                                                                                                                                                                                   agonist peptide analogue. This sequence is used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note=
                                                                                                                                                             peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A
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                                                                                                                                                                                                                                                                            .0%; Score 202; DB 8; .0%; Pred. No. 6.4e-21; 0; Mismatches 0;
                                                                                   sequence -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                reducing gastric motility, delaying gastric postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rink TJ,
                                                                                                                                                             37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Keating Brown
                                                                                    SEQ ID
                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                             Indels
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                                                                                                                                                                                                                                                                                                     37;
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WO2005000222-A2

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RESULT 15
ADV92870
ID ADV92870
XX ADV92870
XX ADV92870
AC ADV92
XX AM91i
XX Molik
XX
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Best Local S
Matches 37
                      peptide/protein of interest, peptide/protein of interest, buffer.
                                       Pharmaceutical composition for transmucosal administration of a bioactive peptide/protein of interest, e.g. glucagon-like peptide-1, comprises the peptide/protein of interest, a cationic polyamino acid, and a compatible
                                                                                                                                                              WPI; 2005-075434/08.
                                                                                                                                                                                                                                                                                                                         30-MAY-2003; 2003US-0474233P
                                                                                                                                                                                                                                                                                                                                                                               28-MAY-2004; 2004WO-US017456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention comprises a pharmacoutical composition for transmucosal administration of a bioactive peptide/protein (e.g. exendin, PYY, GLP-1 or amylin peptide/protein) of interest. The composition of the invention is useful for the transmucosal administration of a bioactive peptide or protein and is useful for treating or preventing viral or bacterial diseases in humans. The present amino acid sequence represents an amylin peptide that is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2005000222-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antibacterial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          delivery mechanism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADV92870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADV92870 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-MAR-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pharmaceutical composition for transmucosal administration of a bioactive peptide/protein of interest, e.g. glucagon-like peptide-1, comprises the peptide/protein of interest, a cationic polyamino acid, and a compatible peptide protein of interest, a cationic polyamino acid, and a compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-MAY-2003; 2003US-0474233P
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                                                                                                                                                                                                                                                                         (AMYL-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-MAY-2004; 2004WO-US017456
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               peptide
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                                                                                                                                                                                                                                                                      AMYLIN PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                              Stetsko G,
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ilarity 100.0%;
Conservative 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       viral infections; virucide; bacterial infection;
                                                                                                                                                                                                                                                                         INC.
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                                                                                                                                                                                                              Jennings
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Pred. No. 6.4e-21;
; Mismatches 0;
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RESULT 16
AEB17936
ID AEB17
XX Pharm
XW Pharm
XW Pharm
XW Pharm
XW Amyli
XX Homo
XX Ho
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 37
                      comprising at least one glucose regulating peptide (GRP) such as amylin, an amylin analog (such as pramlintide), glucagon-like peptide-1 (GLP)-1, exendin-3 or exendin-4 and one or more mucosal delivery-enhancing agents. The formulation or the method is useful for treating variety of diseases and conditions in mammalian subjects including obesity, hyperglycemia, dyslipidemia and diabbetes mellicus and for inducing satiety in an individual and to promote weight-loss in an individual. The invention is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention comprises a pharmaceutical composition for transmucosal administration of a bioactive peptide/protein (e.g. exendin, PYY, GLP-1 or amylin peptide/protein) of interest. The composition of the invention is useful for the transmucosal administration of a bioactive peptide or protein and is useful for treating or preventing viral or bacterial diseases in humans. The present amino acid sequence represents an amylin peptide that is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pharmaceutical; weight loss; obesity; anorectic; nutritional disor hyperglycemia; antidiabetic; metabolic disorder; antilipemic; diabetes mellitus; metabolic disorder; glucose regulating peptide;
                                                                                                                                                                                                                                                                                                                                               New transmucosal glucose-regulating peptide (GRP) formulation, useful for treating e.g. obesity, hyperglycemia, dyslipidemia and diabetes mellitus and for inducing satiety in an individual and to promote weight-loss in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-JUN-2005.
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                                                                                                                                                                                                                                                                         Claim
                                                                                                                                                                                                                                                                                                                              an individual.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2005-496434/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-DEC-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-NOV-2004; 2004US-00991597.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human amylin agonist, pramlintide peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-SEP-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NAST-)
                                                                                                                                                                                                                 present invention relates to pharmaceutical compositions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SC,
                                                                                                                                                                                                                                                                      7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            agonist;
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37; Conserv
                                                                                                                                                                                                                                                                      SEQ ID NO 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Costantino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
ilarity 100.0%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
2...7
37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pramlintide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     weight loss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NO 290;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 품
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                   55pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            64pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
                                                                                                                                                                                                                                                                   English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 202; DB 9;
Pred. No. 6.4e-21
; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nutritional disorder;
antilipemic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NO: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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                                                                                                                                                                                                                 and methods
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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useful

protein

The present

sequence is

human

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RESULT 17
AEB17969
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local :
                                     The present invention relates to pharmaceutical compositions and methods comprising at least one glucose regulating peptide (GRP) such as amylin, an amylin analog (such as pramlintide), glucagon-like peptide-1 (GLP)-1, exendin-3 or exendin-4 and one or more mucosal delivery-enhancing agents. The formulation or the method is useful for treating variety of diseases and conditions in mammalian subjects including obseity, hyperglycemia, dyslipidemia and diabetes mellitus and for inducing satiety in an individual and to promote weight-loss in an individual. The invention is also useful in protein therapy. The present sequence is the human pramlintide peptide, which serves as an amylin agonist peptide. Note: The present sequence is the SEQ ID NO: 47 which is given in the sequence listing. This sequence differs from the SEQ ID NO:47 shown on page 6 of
                                                                                                                                                                                                                                                                                        New transmucosal glucose-regulating peptide (GRP) formulation, useful for treating e.g. obesity, hyperglycemia, dyslipidemia and diabetes mellitus and formulation satisty in an individual and to promote weight-loss in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical; weight loss; obesity; anorectic; nutritional disorder; hyperglycemia; antidiabetic; metabolic disorder; antilipemic; diabetes mellitus; metabolic disorder; glucose regulating peptide;
Sequence
                                                                                                                                                                                                                                              Claim 7; SEQ ID NO 47; 55pp; English.
                                                                                                                                                                                                                                                                                an individual.
                                                                                                                                                                                                                                                                                                                                                            WPI; 2005-496434/50
                                                                                                                                                                                                                                                                                                                                                                                                                       (NAST-) NASTECH PHARM CO INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-DEC-2003; 2003US-0532337P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-NOV-2004; 2004US-00991597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2005143303-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disulfide-bond Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human amylin agonist, pramlintide peptide SEQ ID NO: 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AEB17969 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               pramlintide peptide,
                              specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         37;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         agonist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
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                                                                                                                                                                                                                                                                                                                                                                                         Costantino HR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       pramlintide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "Amidated"
                              (see AEB17970).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              which serves as an amylin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 202; DB 9;
Pred. No. 6.4e-21;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 37;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
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Query Match

Score 202;

명 9;

Length 37;

XAZZZZ

25-MAR-2003 20-APR-1993 AAR29212;

(revised) (first en

entry)

AAR29212 standard;

protein;

37

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RESULT 19
AAR29212
ID AAR29
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                                                                                                             Matches
                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local
                                                                                                                                                                                   Treatment of a patient with anorexia or related condition comprises admin. of amylin or an analogue in an amt. sufficient to increase the amylin level in the plasma of the patient. The pref. amylin analogues are given in AAR29197-222. Treating a patient deficient in adipose tissue comprises admin. of amylin or an analogue and/or insulin in an amt. and ratio sufficient to increase adipose tissue. Typical dosage units contain 0.1-10 mg of amylin analogue and 0.1-1 mg of insulin. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                           Use of amylin and opt. insulin for amylin and/or insulin levels, also adipose tissue deficiency etc.
                                                                                                                                                              Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-MAY-1991;
03-APR-1992;
                                                                                                                                                                                                                                                                                                     Disclosure; Page 16; 19pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                       Rink TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-NOV-1992.
                                                                                                                                                                                                                                                                                                                                                                               WPI; 1992-415470/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO9220367-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Anorexia; cachexia; adipose; amylin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pro(25)Val(26)Pro(28,28)-h-amylin for treating anorexia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAR29202;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAR29202 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-MAR-2003
                                                                                                            36;
                                                                         1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                AMYLIN PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                              KCNTATCATORLANFLVHSSNNFGPVLPPTNVGSNTY
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                                                                                                                                                                                                                                                                                                                                                                                                     Young
                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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92US-00862500
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                                                                                                                         99.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                         Score 201; DB 2;
Pred. No. 8.9e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 6.4e-21; Mismatches 0;
                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                        treating anorexia - in for treating cachexia
                                                                                                                                    Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                     increases plasma
                                                                                                                                                                                                                                                                                                                                         conditions,
                                                                                                             <u>.</u>
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                                                                                                             Gaps
                                                                                                             0
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Ile(17)Pro(25,28,29)-h-amylin for treating

anorexia

cachexia;

adipose; amylin.

WO9220367-A1 Homo sapiens

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                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 36
            Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                      Treatment of a patient with anorexia or related condition comprises admin. of amylin or an analogue in an amt. sufficient to increase the amylin level in the plasma of the patient. The pref, amylin analogues are given in AAR29197-222. Treating a patient deficient in adipose tissue comprises admin. of amylin or an analogue and/or insulin in an amt. and ratio sufficient to increase adipose tissue. Typical dosage units contain 0.1-10 mg of amylin analogue and 0.1-1 mg of insulin. (Updated on 25-MAR-2003 to correct PN field.)
                                                        Misc-difference
                                                                           Misc-difference
                                                                                                                       Homo
                                                                                                                                                                                                  25-MAR-2003
07-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of amylin and opt. insulin for treating anorexia - increases plasma amylin and/or insulin levels, also for treating cachexia conditions, adipose tissue deficiency etc.
                                                                                       Disulfide-bond
                                                                                                                                                       Hypoglycaemia;
                                                                                                                                                                                                                                   AAR37780;
                                                                                                                                                                                                                                                      AAR37780 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-MAY-1991;
03-APR-1992;
                                                                                                                                            nyperglycaemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 16; 19pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1992-415470/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ĽĮ,
                                                                                                                       sapiens
                                                                                                                                                                            Val26,
                                                                                                                                                                                                                                                                                                                                                        l Similarity
36; Conserv
                                                                                                                                                                                                                                                                                                                                 1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                             KCNTATCATORLANFLIHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young
                                                                                                                                                                                                                                                                                                                                                                                                   ₽,
                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                 (revised)
(first entry)
                                                                                                                                                                           Pro28, Pro29 human amylin analogue.
                                                                                                                                            agent.
                                                                                                                                                     insulin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        91US-00704995.
92US-00862500.
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                       /note= "Pro
                                                                                               Location/Qualifiers
                                            note= "Val
                                                               note= "Pro replaces wild-type Ala"
                                                                                                                                                                                                                                                                                                                                                                 99.5%;
 "Pro
                                                                                                                                                     pancreatic
                                                                                                                                                                                                                                                       37
 replaces
                                           replaces
                     replaces
                                                                                                                                                                                                                                                                                                                                                     Score 201; DB 2;
Pred. No. 8.9e-21;
1; Mismatches 0
                                                                                                                                                                                                                                                       B
                                                                                                                                                     amyloid;
wild-type
                    wild-type
                                          wild-type
                                                                                                                                                   diabetes mellitus; glucagon;
                                                                                                                                                                                                                                                                                                                                                       0
                       Ser"
                                            īle"
                                                                                                                                                                                                                                                                                                                                                                          Length 37;
                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                    Gaps
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RESULT 21
AAR38816
ID AAR38
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Best Local S
                                                                                                                              Disulfide-bond
Misc-difference
                                                                                                                                                                                                                                               25-MAR-2003
07-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                             This peptide is an example of amylin agonists of the invention which can be used as hyperglycaemics. The peptide is an analogue of human amylin which mimics the effects of the wild-type hormone. Preferred peptides are used in admixture with insulin for the treatment of diabetes mellitus or with glucagon for the treatment of hypoglycaemic conditions. See AAR37779 and AAR38809-R38826. (Updated on 25-MAR-2003 to correct PN
                   WO9310146-A1
                                                                    Misc-difference
                                                                                        Misc-difference
                                                                                                           Misc-difference
                                                                                                                                                                                          Hypoglycaemia;
hyperglycaemic
                                                                                                                                                                                                                         Ile17, Pro25,
                                                                                                                                                                                                                                                                             AAR38816;
                                                                                                                                                                                                                                                                                              AAR38816 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 37 AA;
                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 2; Fig 1 and Page 16; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaeta LSL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New amylin agonist peptide (s) - used for treatment and prevention hypoglycaemia and diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1993-182488/22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19-NOV-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-NOV-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-MAY-1993.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO9310146-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN
                                                                                                                                                                                                                                                                                                                                                              1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                        36;
                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                  KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jones H,
                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                             (revised)
(first entry)
                                                                                                                                                                                                                        Pro28, Pro29-human amylin analogue.
                                                                                                                                                                                                   insulin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    91US-00794266.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92WO-US009842.
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/note=
                                                                                                                                Location/Qualifiers
2. .7
17
                                      /note=
                                                         note=
                                                                                                  note=
                                                                                                                     note=
                                                                              note=
                                                                                                                                                                                                                                                                                                                                                                                                   99.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Albrecht
                                      "amidated"
                                                           "Pro
                                                                             "Pro
                                                                                                "Pro replaces
                                                                                                                     "Ile replaces wild-type Val"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "amidated"
                                                                                                                                                                                                    pancreatic amyloid; diabetes mellitus; glucagon;
                                                         replaces
                                                                              replaces wild-type Ser"
                                                                                                                                                                                                                                                                                                37
                                                                                                                                                                                                                                                                                                                                                                                                   Score 201; DB 2;
Pred. No. 8.9e-21;
                                                                                                                                                                                                                                                                                               ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ħ
                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                wild-type Ala"
                                                           wild-type
                                                           Ser"
                                                                                                                                                                                                                                                                                                                                                                                                             Length 37;
                                                                                                                                                                                                                                                                                                                                                                                        <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                        Gape
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RESULT 22
AAY22439
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This peptide is an example of amylin agonists of the invention which can be used as hyperglycaemics. The peptide is an analogue of human amylin which mimics the effects of the wild-type hormone. Preferred peptides are used in admixture with insulin for the treatment of diabetes mellitus or with glucagon for the treatment of hypoglycaemic conditions. See AAR37779 and AAR38809-R38826. (Updated on 25-MAR-2003 to correct PN
 L'italian J,
                                                                                                                                       Misc-difference
                                                                                                                                                           Misc-difference
                                                                                                                                                                               Misc-difference
                                         09-JAN-1998;
                                                              09-JAN-1998;
                                                                                    15-JUL-1999
                                                                                                       WO9934822-A1
                                                                                                                                                                                                      Misc-difference
                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                            Pro25, Val26, Pro28, Pro29 amylin analogue
                                                                                                                                                                                                                                                                                                                                                         AAY22439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New amylin agonist peptide(s) - used for treatment and hypoglycaemia and diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1993-182488/22.
                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                        Amylin agonist; human; insulin; diabetes; post-prandial glucose level;
                                                                                                                                                                                                                                                                                                                                   28-SEP-1999
                                                                                                                                                                                                                                                                                                                                                                           AAY22439 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaeta LSL,
                     (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                Disulfide-bond
                                                                                                                                                                                                                                                                              therapy; mutein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-NOV-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-NOV-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           36; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25; Fig 3 and Page 29; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                               KCNTATCATORLANFLIHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Jones H,
                                                                                                                                                                                                                                                                                                                                  (first
Musunuri S,
                                         98WO-US000288
                                                              98WO-US000288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                91US-00794266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92WO-US009842.
                                                                                                                                       29
                                                                                                                                                                                                      25
                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                            /label= $29P
                                                                                                                                                label= S28P
                                                                                                                                                                     /label= 126V
                                                                                                                                                                                           label= A25P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99.5%;
                                                                                                                                                                                                                                                                                                                                  entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Albrecht
 Ruby C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 201; DB 2; I
Pred. No. 8.9e-21;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
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RESULT 23
AAY22449
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Best Local S
Matches 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This sequence represents a human amylin analogue, that acts as a amylin agonist. The invention relates to a liquid pharmaceutical formulation (A), that contains (wt./vol.): 0.01-0.5% amylin agonist (I); 1-10% carbohydrate or polyol (II); and 0.02-0.5% acetate, phosphate, citrate or glutamate buffer (III); and has pH 3-6. (A) are used, in conjunction with insulin, for treatment of diabetes, specifically to reduce post-prandial increases in glucose levels of the blood. In these formulations, (I) is stabilised, especially against deamidation and peptide bond hydrolysis for up to 4 years at 5 degrees C and 30 days at 30 degrees C, without addition of a separate stabiliser. They also retain short-term (up to 24 hr) stability when combined with insulin, allowing both agents to be administered together, reducing the number of injections required. Note: This sequence was created by the indexer from information given in the
                                                                                                                                                                                                                                                                                                                         Homo sapiens.
Synthetic.
          L'italian J,
                                                                                        09-JAN-1998;
                                                                                                                                                                                     Misc-difference
                                                                                                                                                                                                               Misc-difference
                                                                                                                                                                                                                                          Misc-difference
                                                                                                                                                                                                                                                                     Misc-difference
                                                                                                                                                                                                                                                                                  Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                 therapy;
                                                                                                                                                                                                                                                                                                                                                                                                          Ile17, Pro25,
                                                                                                                                                                                                                                                                                                                                                                                                                                     28-SEP-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY22449;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY22449 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 37 AA;
                                                                                                                   15-JUL-1999.
                                                                                                                                            WO9934822-A1
                                                                                                                                                                                                                                                                                                                                                                               Amylin agonist; human; insulin; diabetes; post-prandial glucose level;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This sequence was specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stabilized liquid formulation for treatment of insulin-dependent diabetes
                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-458254/38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                    mutein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KCNTATCATORLANFLVHSSNNFGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                    (first
          Musunuri S,
                                                                                                                                                                                                                                                                                                                                                                                                         Pro28, Pro29 amylin analogue.
                                                             98WO-US000288
                                                                                        98WO-US000288
                                                                                                                                                                                                                                                                                 Location/Qualifiers 2..7
                                                                                                                                                                                                                28
                                                                                                                                                                        /label= S29P
                                                                                                                                                                                                                                                       'label= V17I
                                                                                                                                                                                                                            label= A25P
                                                                                                                                                                                                  .abel= S28P
                                                                                                                                                                                                                                                                                                                                                                                                                                    entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99.5%;
          Ruby C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 201;
Pred. No. 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 2; Length 37; .9e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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ARBSULT 24
AAW90146
ID AAW900146
AC AAW90
AC AAW91
IS-M#
KW Amylii
KW Amylii
KW Dain;
KW O6-M#
KAPT
PF 06-M#
XX AW91;
XX AW91;
XX Methc
PF Methc
PF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This sequence represents a human amylin analogue, that acts as a amylin agonist. The invention relates to a liquid pharmaceutical formulation (A), that contains (wt./vol.): 0.01-0.5% amylin agonist (I); 1-10% carbohydrate or polyol (II); and 0.02-0.5% acetate, phosphate, citrate or glutamate buffer (III); and has pH 3-6. (A) are used, in conjunction with insulin, for treatment of diabetes, specifically to reduce post-prandial increases in glucose levels of the blood. In these formulations, (I) is stabilised, especially against deamidation and peptide bond hydrolysis for up to 4 years at 5 degrees C and 30 days at 30 degrees C, without addition of a separate stabiliser. They also retain short-term (up to 24 hr) stability when combined with insulin, allowing both agents to be administered together, reducing the number of injections required. Note:
                                                            Claim
                                                                                                                      amylin
                                                                                                                                                                                                                   WPI; 1999-059652/05
                                                                                                                                                                                                                                                                                                                                                                                                      06-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO9850059-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human amylin agonist peptide 25-Pro26-Val28,29-Pro-amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW90146;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW90146 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This sequence was created by the indexer from information given in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stabilized liquid formulation for treatment of insulin-dependent diabetes
                                                                                                                                                                                                                                                                                                                                         (AMYL-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12-NOV-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               non-steroidal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-458254/38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page; 71pp; English
                                                         6
                                                                                                                                                                                                                                                                            ۶
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  n; human; agonist; gastritis; gastric ulceration; teroidal anti-inflammatory agent; NSAID; intraveno fever; inflammation; arthritis; hypercoagulation.
                                                                                                                      õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ш
                                                                                                                                                      for
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                                                                                                                                                                                                                                                                                                                                      AMYLIN PHARM INC.
                                                      Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KCNTATCATQRLANFLIHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                   amylin
                                                                                                                                                                                                                                                                         Gedulin B,
                                                                                                               treating or pro
amylin agonist,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A
A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                         42;
                                                                                                                                                                                                                                                                                                                                                                                                   97US-00851965
                                                                                                                                                                                                                                                                                                                                                                                                                                                            98WO-US009089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
2. .7
                                                   48pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99.5%;
                                                                                                                                                                                                                                                                            Beynon
                                                                                                                                            preventing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gastritis; gastric ulceration; treatment;
                                                   English.
                                                                                                               except
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 201; DB Pred. No. 8.9e 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1:
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                                                                                                                   gastritis -
calcitonin.
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No. 8.9e-21;
                                                                                                                                            comprises administering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     intravenous; subcutaneous;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
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This invention

relates

to a method

for treating

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preventing

gastritis

in a carrier.

The amylin composition

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RESULT 25
AAW90154
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Best Local S
Matches 36
           This invention relates to a method for treating or preventing gastrict or gastric ulceration which comprises administering amylin or an amylin administration is not carried out intraccerebroventricularly. The specification describes a method for treating or preventing a condition for which a non-steroidal anti-inflammatory agent (NSAID) is indicated, comprising and-mistering and also a composition shift is not calcitonin, together with NSAID and also a composition comprising an amylin agonist or their salts,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        or gastric ulceration which comprises administering amylin or an amylin agonist. Amylin administration is not carried out intracerebroventricularly. The specification describes a method for treating or preventing a condition for which a non-steroidal anti-inflammatory agent (NSAID) is indicated, comprising administering amylin or amylin agonist, which is not calcitonin, together with NSAID and also a composition comprising an amylin or an amylin agonist or their salts, except calcitonin and a NSAID in a carrier. The amylin composition is used to treat humans by administering it subcutaneously, intravenously or by nasal, oral, pulmonary, transdermal and buccal routes. The method is also used to treat pain, fever, inflammation, arthitis, hypercoagulation and other condition where an NSAID would be indicated. The present sequence is an example of an agonist used in the method
                                                                                                                                                              Claim 6;
                                                                                                                                                                                           Method for treating or preventing amylin or amylin agonist, except or
                                                                                                                                                                                                                                              WPI; 1999-059652/05.
                                                                                                                                                                                                                                                                                                                                                                           06-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                            Young
                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM
                                                                                                                                                                                                                                                                                                                                                                                                           12-NOV-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        non-steroidal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amylin; human; agonist; gastritis; gastric ulceration; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human amylin agonist peptide 17-Ile25,28,29-Pro-amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-MAR-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                l Similarity
36; Conser
                                                                                                                                                             Page 42; 48pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KCNTATCATORLANFLVHSSNNFGPVLPPTNVGSNTY
                                                                                                                                                                                                                                                                           Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       l anti-inflammatory agent; NSAID; intraveno
inflammation; arthritis; hypercoagulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first
                                                                                                                                                                                                                                                                                                                                             97US-00851965
                                                                                                                                                                                                                                                                                                                                                                           98WO-US009089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       entry)
                                                                                                                                                                                                                                                                                                            INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99.5%;
a NSAID
                                                                                                                                                              English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 201; DB 2;
Pred. No. 8.9e-21;
l; Mismatches 0
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                                                                                                                                                                                               gastritis -
calcitonin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NSAID; intravenous;
                                                                                                                                                                                                            comprises administering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 37;
                                                                             for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      subcutaneous;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
                                                                                                             gastritis
an amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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treat humans

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RESULT 26
AAB18578
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
Matches 36
                       The present sequence represents an amylin agonist analogue compound. Amylin or amylin agonists are administered for reducing gastric motility or delaying gastric emptying, and for treating postprandial dumping syndrome or postprandial hyperglycemia, by inducing amylin activity, in a mammal. The peptides are used to reduce gastric motility or for delaying gastric emptying in a mammal undergoing gastrointestinal diagnostic procedures, such as radiological examination or magnetic resonance imaging. They are also used for reducing gastric motility in gastrointestinal disorder, especially spasm, which is associated with a disorder of acute diverticulitis or disorders of biliary tract or sphincter of oddi. They are also used to treat postprandial dumping syndrome or postprandial hyperglycemia
                                                                                                                                                                                                                   Disclosure; Col 39-40; 50pp; English.
                                                                                                                                                                                                                                            Treating gastrointestinal disorder e.g. spasm by reducing gastric motility or delaying gastric emptying, postprandial dumping syndrome postprandial hyperglycemia, by administering amylin or amylin agonist
Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                by nasal, oral, pulmonary, trans
also used to treat pain, fever,
and other condition where an NSA
sequence is an example of an ago
                                                                                                                                                                                                                                                                                                                                                                                                                                 07-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amylin agonist; amylin; gastric motility; gastric emptying; postprandial dumping syndrome; postprandial hyperglycemia; gastrointestinal diagnostic procedure; gastrointestinal disacute diverticulitis; biliary tract disorder; sphincter of
                                                                                                                                                                                                                                                                                                                                       Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-SEP-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US6114304-A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB18578 standard; peptide; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sulfide-bond
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             36;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KCNTATCATORLANFLIHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                       Rink TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                  93US-00118381
                                                                                                                                                                                                                                                                                                                                                                                                                               94US-00302069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "amidated residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           by administering it subcutaneously, intravenously or ionary, transdermal and buccal routes. The method is wain, fever, inflammation, arthritis, hypercoagulation where an NSAID would be indicated. The present le of an agonist used in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99.5%;
                                                                                                                                                                                                                                                                                                                                      Brown KAK,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amylin agonist
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Pred.
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                                                                                                                                                                                                                                                                                                                                       Kolterman
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No. 8.9e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                analogue
                                                                                                                                                                                                                                                                                                                                       8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              compound
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                                                                                                                                                                                                                                               agonist.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      spasm;
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KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY

Query Match Best Local S Matches 36

Similarity

99.5%;

36; \vdash

Conservative

1;

Score 201; DB Pred. No. 8.9e 1; Mismatches

DB 3; .9e-21;

Length 37;

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Indels

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RRESULT 27
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Best Local S
                                                                       The present sequence represents an amylin agonist analogue compound. Amylin or amylin agonists are administered for reducing gastric motility or delaying gastric emptying, and for treating postprandial dumping syndrome or postprandial hyperglycemia, by inducing amylin activity, in amammal. The peptides are used to reduce gastric motility or for delaying gastric emptying in a mammal undergoing gastrointestinal diagnostic procedures, such as radiological examination or magnetic resonance imaging. They are also used for reducing gastric motility in gastrointestinal disorder, especially spasm, which is associated with a disorder of acute diverticulitis or disorders of biliary tract or apphincter of oddi. They are also used to treat postprandial dumping evaluations or nestprandial humeroflycemia.
  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Treating gastrointestinal disorder e.g. spasm by reducing gastric motility or delaying gastric emptying, postprandial dumping syndrome or postprandial hyperglycemia, by administering amylin or amylin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Col 47-48; 50pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            05-SEP-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amylin agonist; amylin; postprandial dumping sy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US6114304-A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-JAN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .sulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2000-601336/57.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    randial dumping syndrome; postprandial hyperglycemia; pintestinal diagnostic procedure; gastrointestinal disorder; diverticulitis; biliary tract disorder; sphincter of oddi di
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        36;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AMYLIN
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     37
                                                           g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rink TJ, Brown KAK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence of an amylin agonist analogue
  A
                                                        postprandial hyperglycemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93US-00118381
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nylin; gastric motility; gaing syndrome; postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "amidated residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               37
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                                                                                                                                                                                                                                                                                                                                                                                                                            English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kolterman OG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 3;
.9e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gastric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     spasm;
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KCNTATCATQRLANFLIHSSNNFGPILPPTNVGSNTY 37

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CC comprising (wt/vol*) an amylin agonist (0.01 - 0.5), a carbohydrate or a CC polyhydric alcohol (1 - 10) and an acetate, phosphate, citrate or a CC glutamate buffer (0.02 - 0.5) having a pH of 3 - 6. Also described is a CC commercial package containing the liquid pharmaceutical formulation (A). CC The package comprises a borosilicate glass vial having an open end, a ctopper for multiuse compatible with the amylin and/or amylin agonist CC fixed in the open end of the vial and an aluminium band to retain the carbohyer in the far end of the vial and an aluminium band to retain the carbohyer for use in a pen injector. (A) has antidiabetic activity and CC can be used in the treatment of patients with type II diabetes. The CC formulation comprises amylin agonist which is biologically active, has a creduced tendency to form aggregates in water or at a pressure of greater than 2 psi and has a reduced tendency to precipitate in the presence of CC NaCl compared to human amylin. The formulation maintains stability upon constorage under refrigerated or room-temperature conditions. The CC formulation retains short-term mixing compatibility with insulin and cresults in improved stability of the hormone and the patients no longer condition refrigerate the vial of insulin in use. The present sequence is not convenience of the present sequence is not convenience. The present sequence is not convenience in the present specification but is derived from the 37 amino acid comparing the invention. N.B. The present sequence is not convenience in the present specification but is derived from the 37 amino acid convenience.
                                                                                                                   Ś
                                      Matches
                                                                            Query Match
                                                                                                                   Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page; 19pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New pharmaceutical formulation useful for treating patients with type diabetes comprises amylin agonist, carbohydrate or polyhydric alcohol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-163554/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L'italien J, Musunuri
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2001043934-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; amylin agonist; amylin peptide analogue; acetate; carbohydrate; liquid pharmaceutical formulation; polyhydric alcohol; phosphate; citrate; glutamate; buffer; antidiabetic; type II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human amylin agonist 25Pro26Val28,29Pro-h-amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABB05492;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-JAN-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABB05492 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (LITA/) L'ITALIEN J.
(MUSU/) MUSUNURI S.
                                      36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MUSUNURI S.
RUBY K.
                                                          Similarity
                                                                                                                   A,
                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                        99.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ruby
                                      1;
                                  Score 201; DB 5;
Pred. No. 8.9e-21;
1; Mismatches 0
                                    °.
                                                                      Length 37;
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Disclosure; Page; 19pp; English

a buffer.

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                                                                                                                                                                                                                                                                                                                                                                                                     Human; amylin agonist; amylin peptide analogue; acetate; carbohydrate; liquid pharmaceutical formulation; polyhydric alcohol; phosphate; citrate; glutamate; buffer; antidiabetic; type II diabetes.
                                                                                                                                                                                                                             New pharmaceutical formulation useful for treating patients with type diabetes comprises amylin agonist, carbohydrate or polyhydric alcohol
                                                                                                                                                                                                                                                                    L'italien J, Musunuri
                                                                                                                                                                                                                                                                                                                   08-JAN-1997;
                                                                                                                                                                                                                                                                                                                                  09-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABB05504 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                 US2001043934-A1
                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                      Human amylin agonist 17Ile25,28,29Pro-h-amylin
                                                                                                                                                                                                                                                                                    (RUBY/)
                                                                                                                                                                                                                                                                                            (LITA/) L'ITALIEN J.
(MUSU/) MUSUNURI S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           سر
                                                                                                                                                                                                                                                                                    MUSUNURI S. RUBY K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry
                                                                                                                                                                                                                                                                                                                 97US-0035140P
                                                                                                                                                                                                                                                                                                                                  98US-00005262.
                                                                                                                                                                                                                                                                     Ruby
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CC comprising (wt/vol*) an amylin agonist (0.01 - 0.5), a carbohydrate or a comprising (wt/vol*) and amylin agonist (0.01 - 0.5), a carbohydrate or a cc polyhydric alcohol (1 - 10) and an acetate, phosphate, citrate or cc glutamate buffer (0.02 - 0.5) having a pH of 3 - 6. Also described is a ccommercial package contraining the liquid pharmaceutical formulation (A). CC The package comprises a borosilicate glass vial having an open end, a cc stopper for multiuse compatible with the amylin and/or amylin agonist cfixed in the open end of the vial and an aluminium band to retain the carbier in the far end of the vial and an aluminium band to retain the carbier for use in a pen injector. (A) has antidiabetic activity and cc artridge for use in a pen injector. (A) has antidiabetic activity and cc artridge for use in a pen injector. (A) has antidiabetic activity and cc reduced in the treatment of patients with type II diabetes. The cc are duced tendency to form aggregates in water or at a pressure of greater than 2 psi and has a reduced tendency to precipitate in the presence of cc wall compared to human amylin. The formulation maintains stability upon cc storage under refrigerate or room-temperature conditions. The formulation retains short-term mixing compatibility with insulin and camplin agonist in the present sequence as anylin agonist in the present invention. N.B. The present sequence is not camplin agonist in the present invention. N.B. The present sequence is not comparison in the present specification but is derived from the 37 amino acid to human amylin as stated in the invention.

Sequence 37 A

Best Local Similarity Matches 36; Conserv Query Match Conservative 99.5%; Score 201; DB 5; Pred. No. 8.9e-21; Mismatches <u>,</u> Length 37; 0, Gaps

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RESULT 30
ADI36177
ID ADI366
XX ADI366
XX ADI36

RESULT 31
ADI36188
ID ADI36
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AC ADI36
XX
DT 15-AF
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                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 36
                                                                                                                                                                                                                                                                                                                                                          The present invention is directed to novel methods for reducing gastric motility and delaying gastric emptying, comprising the administration of an amylin agonist. The invention is useful for reducing gastric motility and delaying gastric emptying for therapeutic and diagnostic purposes. The invention is also useful for treating conditions associated with elevated, inappropriate or undesired post-prandial blood glucose levels and treating ingestion of a toxin. The present sequence is human amylin agonist analogue.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Reducing gastric motility or delaying gastric emuseful for treating post-prandial hyperglycemia, an amylin or an amylin agonist.
15-APR-2004
                                      ADI36188;
                                                                                                                                                                                                                                                                                                                            Sequence 37
                                                                        ADI36188 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-SEP-1993;
07-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22-MAY-2000; 2000US-00576062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disulfide-bond Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gastric motility; gastric emptying; antidiabetic; hypoglycaemia; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-AUG-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human amylin agonist anologue #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-APR-2004
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                                                                                                                                                                                                                                                                    Local Similarity
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                                                                                                                                                                                                                                              36;
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                                                                                                                                                                                          KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                    KCNTATCATORLANFLVHSSNNFGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       standard; peptide; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ရွ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KCNTATCATORLANFLIHSSNNFGPILPPTNVGSNTY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 7; 51pp; English.
                                                                                                                                                                                                                                              Conservative
(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93US-00118381.
94US-00302069.
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2...7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "Amidated tyrosine"
                                                                        peptide;
                                                                                                                                                                                                                                                                99.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rink
                                                                        37
                                                                                                                                                                                                                                                              Score 201; DB 8;
Pred. No. 8.9e-21;
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                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amylin agonist; therapy; diagnosis;
                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          emptying in a mammal,
ia, comprises administering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          37
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                                                                                                                                                                                                                                                                                Length 37
                                                                                                                                                                                                                                              Indels
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DE Humar
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Gastr
KW Postr
KW Postr
KW Postr
KW Magst
KW Magst
XX
MM Magne
XX
FH Key
FT Modif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 36
                                                                                      Gastric motility; delay gastric emptying; amylin; agonist; postprandial dumping syndrome; postprandial hyperglycemia; gastrointestinal disorder; spasm; radiological examination magnetic resonance imaging; diabetes; therapy; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention is directed to novel methods for reducing gastric motility and delaying gastric emptying, comprising the administration of an amylin or an amylin agonist. The invention is useful for reducing gastric motility and delaying gastric methying for therapeutic and diagnostic purposes. The invention is also useful for treating conditions associated with elevated, inappropriate or undesired post-prandial blood glucose levels and treating ingestion of a toxin. The present sequence is
Key
Modified-site
                                                                                                                                                                                         Human amylin agonist
                                                                                                                                                                                                                                 18-NOV-2004
                                                                                                                                                                                                                                                                                                         ADO51032 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Reducing gastric motility or delaying gastric emptying in a mammal useful for treating post-prandial hyperglycemia, comprises administ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 18; 51pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-SEP-1993;
07-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gastric motility; gastric emptying; antidiabetic; hypoglycaemia; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 an amylin or an amylin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-118064/12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22-MAY-2000; 2000US-00576062
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human amylin agonist anologue #17.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                        sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amylin agonist analogue.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   36;
                                                                                                                                                                                                                                                                                                                                                                                                                              KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                      KCNTATCATORLANFLIHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young
  Location/Qualifiers
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94US-00302069
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2..7
37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99.5%;
                                                                                                                                                                                         peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 201; DB 8;
Pred. No. 8.9e-21;
1; Mismatches 0
                                                                                                                                                                                       analogue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amylin agonist; therapy; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Brown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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RESULT 33
ADO51021
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention is directed to novel methods for reducing gastric motility and delaying gastric emptying which comprises the administration of an amylin or an amylin agonist. The invention is useful for treating postprandial dumping syndrome, postprandial hyperglycemia and reducing gastric motility associated with gastrointestinal disorders such as spasm or delaying gastric emptying in a mammal undergoing a gastrointestinal diagnostic procedure such as radiological examination and magnetic resonance imaging. The invention is also useful for lowering postprandial blood glucose levels during treatment of diabetes. The present sequence is human amylin agonist peptide analogue. This sequence is used in the
                                                                                                            Gastric motility; delay gastric emptying; amylin; agonist; postprandial dumping syndrome; postprandial hyperglycemia; gastrointestinal disorder; spasm; radiological examination magnetic resonance imaging; diabetes; therapy; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (KOLT/)
(YOUN/)
(RINK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-SEP-1993; 93US-00118381.
07-SEP-1994; 94US-00302069.
22-MAY-2000; 2000US-00576062.
            US2004097415-A1
                                                  Key
Modified-site
                                                                                         Homo
                                                                                                                                                                                Human amylin
                                                                                                                                                                                                         18-NOV-2004
                                                                                                                                                                                                                                                          ADO51021 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 18; 35pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        emptying and f
hyperglycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18-AUG-2003;
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                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of amylin agonist for reducing gastric motility, delaying gastric tying and for treating postprandial dumping syndrome and postprandial
                                                                                      sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2004-389180/36.
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YOUNG A A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RINK T J.
                                                                                                                                                                                                                                                                                                                                         KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                        KCNTATCATQRLANFLIHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                               ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2003US-00643681
                                                                                                                                                                                agonist peptide
                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young AA,
                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                       99.5%;
97.3%;
                                    "C-terminal amide"
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                                                                                                                                                                                                                                                             37
                                                                                                                                                                             analogue
                                                                                                                                                                                                                                                                                                                                                                          Score 201; DB 8;
Pred. No. 8.9e-21;
1; Mismatches 0
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RESULT 34
ADV92840
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Best Local S
Matches 36
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07-SEP-1994;
22-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention is directed to novel methods for reducing gastric motility and delaying gastric emptying which comprises the administration of an amylin or an amylin agonist. The invention is useful for treating postprandial dumping syndrome, postprandial hyperglycemia and reducing gastric motility associated with gastrointestinal disorders such as spasm or delaying gastric emptying in a mammal undergoing a gastrointestinal diagnostic procedure such as radiological examination and magnatic resonance imaging. The invention is also useful for lowering postprandial blood glucose levels during treatment of diabetes. The present sequence in manual maylin agonist peptide analogue. This sequence is used in the
                                                                                                                                                                                                                                                       ADV92840;
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                      06-JAN-2005
                                                                                                                                                                        delivery mechanism; viral infections; virucide; bacterial infection; antibacterial; amylin.
                                                                                                                                                                                                         Amylin peptide amino acid sequence -
                                                                                                                                                                                                                                   24-MAR-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    emptying and for hyperglycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of amylin ago emptying and for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (KOLT/)
(YOUN/)
(RINK/)
(BROW/)
                                                      30-MAY-2003;
                                                                             28-MAY-2004; 2004WO-US017456
                                                                                                                           WO2005000222-A2
                                                                                                                                                                                                                                                                             ADV92840 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-389180/36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG,
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                                (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                   16; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KOLTERMAN O G.
YOUNG A A.
RINK T J.
KEATING BROWN
                                                                                                                                                                                                                                                                                                                                                       KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                   37
                                                                                                                                                                                                                                                                                                                                      KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                A,
                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                      2003US-0474233P
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                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                agonist for
For treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young
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94US-00302069.
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                                                                                                                                                                                                                                                                                                                                                                                            99.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             35pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               reducing gastric motility, delaying gastric postprandial dumping syndrome and postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rink
                                                                                                                                                                                                                                                                              37
                                                                                                                                                                                                                                                                                                                                                                                   Score 201; DB 8; Pred. No. 8.9e-21; Mismatches 0;
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                                                                                                                                                                                                          SEQ ID 260
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RESULT 35
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ID AEB17
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Best Local S
Matches 36
 comprising at
               The present
                                          Claim 7;
                                                                            New transmucosal glucose-regulating peptide (GRP) formulation, useful fo treating e.g. obesity, hyperglycemia, dyslipidemia and diabetes mellitus and formulation satiety in an individual and to promote weight-loss in
                                                                                                                                   WPI; 2005-496434/50
                                                                                                                                                               Quay
                                                                                                                                                                                                                  26-DEC-2003; 2003US-0532337P
                                                                                                                                                                                                                                             18-NOV-2004; 2004US-00991597
                                                                                                                                                                                                                                                                                                  US2005143303-A1
                                                                                                                                                                                                                                                                                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                 Homo
                                                                                                                                                                                                                                                                                                                                                                                                                          amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                   Pharmaceutical; weight loss; obesity; anorectic; hyperglycemia; antidiabetic; metabolic disorder; diabetes mellitus; metabolic disorder; glucose re
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human amylin agonist, pramlintide peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-SEP-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AEB17939,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AEB17939 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            administration of a bioactive peptide/protein (e.g. exendin, PYY, GLP-1 or amylin peptide/protein) of interest. The composition of the invention is useful for the transmucosal administration of a bioactive peptide or protein and is useful for treating or preventing viral or bacterial diseases in humans. The present amino acid sequence represents an amylin peptide that is used in the exemplification of the invention.
                                                                                                                                                                                          (NAST-)
                                                                                                                                                                                                                                                                                                                                                        Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for transmucosal administration of a bioactive peptide/protein of interest, e.g. glucagon-like peptide-1, comprises the peptide/protein of interest, a cationic polyamino acid, and a compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention comprises a pharmaceutical composition for transmucosal
                                                                                                                                                                                                                                                                                                                                                                                               sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                         agonist; pramlintide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                        NASTECH PHARM CO
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                                       SEQ ID NO 17; 55pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KCNTATCATORLANFLVHSSNNFGPVLPPTNVGSNTY
                                                                                                                                                             Costantino
invention relates to pharmaceutical compositions and at least one glucose regulating peptide (GRP) such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
2..7
37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ID NO 260;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        peptide; 37 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99.5%;
                                                                                                                                                                                                                                                                                                                             "Amidated'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        64pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 201; DB
Pred. No. 8.9e-
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <u>ب</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            e 201; pp .
1. No. 8.9e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                   r; antilipemic;
regulating peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                nutritional disorder;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <u>.</u>.
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methods amylin,
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The patent discloses a composition which can be used to reduce or consupress food intake, control appetite or control body weight in a compress food intake, control appetite or control body weight in a command, comprising an amylin agonist and a cholecystokinin (CCK) agonist cadmixed in a form suitable for therapeutic administration. Also disclosed are new hybrid peptides comprising an amylin agonist peptide and a CCK cagonist peptide covalently linked e.g. by the group -R1-R2-R3-R4-R5-CC where R1 = CONH(CH2)n, CCO(CH2)n or CO(CH2)n; R2 = COC(CH2)n, NHCO(CH2)n, CCO(CH2)n, CCC coccess or NH-X; R3 = CH2, CCC CCC CCC CCC coccess or NH-X; R3 = CH2, CF2, CCO, CS or CNH; R4 = O or NH; R5 ccc (CH2)nNHCO, (CH2)nOCO or (CH2)nCO; n = 1-6; and X = any amino acid conditional conditions of condition produces a greater effect than either administered alone; c.g. 0.1 microgram/kg of each peptide causes a substantial reduction of coccess conditions and cock agonists of food intake about equivalent to that seen with 100 microgram/kg of either coccess conditions and cock agonists of cock agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
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Best Local S
Matches 36
                                                                                                                                                                                                                                                                                                                                                                                                                                           Compositions comprising amylin and cholecystokinin agonists - useful for reducing food intake, suppressing appetite and controlling body weight.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin-3 or exendin-4 and one or more mucosal delivery-enhancing agents. The formulation or the method is useful for treating variety of diseases and conditions in mammalian subjects including obesity, hyperglycemia, dyslipidemia and diabetes mellitus and for inducing satiety in an individual and to promote weight-loss in an individual. The invention is also useful in protein therapy. The present sequence is the human pramilintide peptide, which serves as an amylin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1997-051885/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rink TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-JUN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-DEC-1996.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9640196-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 appetite regulation; amylin agonist; hybrid; CCK; cholecystokinin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amylin agonist peptide 11-Lys-25,28,29-Pro-h-amylin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  an amylin analog (such as pramlintide), glucagon-like peptide-1 (GLP)-1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               isulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                             20,49; Page 46,54; 66pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           36,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KCNTATCATORLANFLVHSSNNFGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    95US-00477727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96WO-US009937
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
2..7
37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Beeley NR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99.5%;
97.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Tyr-NH2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 201;
Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ₿
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Prickett KS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 9;
.9e-21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
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RESULT 38
AAR37793
ID AAR37
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AAR29204
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Best Local S
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AAR37793 standard; peptide;
                                                                                                                                                                          Treatment of a patient with anorexia or related condition comprises admin. of amylin or an analogue in an amt. sufficient to increase the amylin level in the plasma of the patient. The pref. amylin analogues are given in AAR29197-222. Treating a patient deficient in adipose tissue comprises admin. of amylin or an analogue and/or insulin in an amt. and ratio sufficient to increase adipose tissue. Typical dosage units contain 0.1-10 mg of amylin analogue and 0.1-1 mg of insulin. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                      Use of amylin and opt. insulin for treating anorexia amylin and/or insulin levels, also for treating cachexi
                                                                                                                                                       Sequence 36 AA;
                                                                                                                                                                                                                                                                                      Disclosure; Page 16; 19pp; English.
                                                                                                                                                                                                                                                                                                             adipose
                                                                                                                                                                                                                                                                                                                                                            WPI; 1992-415470/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                24-MAY-1991;
03-APR-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9220367-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Des-Lys(1)Pro(25,28,29)-h-amylin for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-MAR-2003
20-APR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAR29204;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAR29204 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               peptide alone. The present sequence represents a preferred amylin agonist peptide which can be used as a component of the hybrid peptide
                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-NOV-1992.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Anorexia; cachexia; adipose; amylin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                                                   Į,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sapiens
                                                                                                           36;
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                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                           tissue deficiency etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                        CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KCNTATCATQRLANFLVHSSNNFGFILFPTNVGSNTY 37
                                                           CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KCNTATCATOKLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                 Young AA;
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                                                                                                          Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (revised)
(first en
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92US-00862500.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein;
                                                                                                     97.5.,
100.0%; Pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98.5%;
97.3%;
  36
                                                                                                                    Score 197; DB 2;
; Pred. No. 3.2e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36
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Pred. No. 1.7e
1; Mismatches
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                                                                                                         Mismatches
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                                                                                                       0,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     anorexia
                                                                                                                              Length 36;
                                                                                                                                                                                                                                                                                                                      cachexia conditions,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 37;
                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                                  increases
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                                                                                                       Gaps
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RESULT 39
AAY22442
ID AAY22
XX AAY21
XX AAY21
XX AMY1i
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Best Local (
                                                                                                                                                                                                                                                                                                                                                      Des-Lys1, Pro25,
                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                 This peptide is an example of amylin agonists of the invention which be used as hyperglycaemics. The peptide is an analogue of human amyli which mimics the effects of the wild type hormone. Preferred peptides
Amylin agonist; human; insulin; diabetes; post-prandial glucose level;
                                                             28-SEP-1999
                                                                                         AAY22442;
                                                                                                                     AAY22442 standard;
                                                                                                                                                                                                                                                                                                                                              field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 44; Fig 1 and Page 23; 43pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New amylin agonist peptide(s) - usec
hypoglycaemia and diabetes mellitus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1993-182488/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disulfide-bond
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-MAR-2003
07-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-NOV-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-NOV-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-MAY-1993.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9310146-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hyperglycaemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hypoglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAR37793;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (Des-Lys1), Pro25, Pro28, Pro29 human amylin analogue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LSL,
                                                                                                                                                                                                                                                      36;
                                                                                                                                                                                              _
                                                                                                                                                                                                               2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                 36 AA;
                                                                                                                                                                                            CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Jones H,
                                                                                                                                                                                                                                                      Conservative
                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                91US-00794266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              92WO-US009842.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              agent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           insulin; pancreatic amyloid; diabetes mellitus; glucagon;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27
                             Pro28, Pro29 amylin analogue.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note=
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                                                                                                                  peptide; 36
                                                                                                                                                                                                                                                                    97.5%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Albrecht
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Pro replaces wild-type Ser"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Pro replaces wild-type Ala"
                                                                                                                                                                                                                                                      0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           replaces
                                                                                                                                                                                                                                                                    Score 197; DB 2;
Pred. No. 3.2e-20;
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                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           wild-type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for treatment and prevention of
                                                                                                                                                                                              36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ser"
                                                                                                                                                                                                                                                                                Length 36;
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RESULT 40
AAW90145
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Best Local Similarity
Matches 36; Conserv
                                                                                                                                                                                                                                                                                                                                                             This sequence represents a human amylin analogue, that acts as a amylin agonist. The invention relates to a liquid pharmaceutical formulation (A), that contains (wt./vol.): 0.01-0.5% amylin agonist (I); 1-10% carbohydrate or polyol (II); and 0.02-0.5% acetate, phosphate, citrate or glutamate buffer (III); and has pH 3-6. (A) are used, in conjunction with insulin, for treatment of diabetes, specifically to reduce post-prandial increases in glucose levels of the blood. In these formulations, (I) is stabilised, especially against deamidation and peptide bond hydrolysis for up to 4 years at 5 degrees C and 30 days at 30 degrees C, without addition of a separate stabiliser. They also retain short-term (up to 24 hr) stability when combined with insulin, allowing both agents to be administered together, reducing the number of injections required. Note: This sequence was created by the indexer from information given in the
       Amylin; human; agonist; gastritis; gastric ulceration; treatment; non-steroidal anti-inflammatory agent; NSAID; intravenous; subcutaneous; pain; fever; inflammation; arthritis; hypercoagulation.
                                                                                          15-MAR-1999
                                                                                                                     AAW90145
                                                                                                                                            AAW90145 standard;
                                                                                                                                                                                                                                                                                                                             Sequence 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Stabilized liquid formulation for treatment of insulin-dependent diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               L'italian J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disulfide-bond
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-458254/38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  therapy; mutein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 36
                                                                                                                                                                                                                                 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                            AA;
                                                                                                                                                                                                                                                                      Conservative
                                                             agonist peptide
                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Musunuri S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     98WO-US000288
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1..6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /label= S29P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /label= S28P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /label= A25P
                                                                                                                                            peptide;
                                                                                                                                                                                                                                                                                   97.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ruby C;
                                                                                                                                               36
                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                                                                  Score 197; I
Pred. No. 3.
                                                             des-1-Lys25,28,29-Pro-amylin
                                                                                                                                              B
                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                               DB 2;
                                                                                                                                                                                                                                                                                  .2e-20;
                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                               Length 36;
                                                                                                                                                                                                                                                                     Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention relates to a method for treating or preventing gastritis or gastric ulceration which comprises administering amylin or an amylin agonist. Amylin administration is not carried out intraccerebroventricularly. The specification describes a method for treating or preventing a condition for which a non-steroidal anti-inflammatory agent (NSAID) is indicated, comprising administering anylin or amylin composition comprising an amylin together with NSAID and also a composition comprising an amylin or an amylin agonist or their salts, except calcitonin and a NSAID in a carrier. The amylin composition is used to treat humans by administering it subcutaneously, intravenously or by nasal, oral, pulmonary, transdermal and buccal routes. The method is also used to treat pain, fever, inflammation, arthritis, hypercoagulation and other condition where an NSAID would be indicated. The present sequence is an example of an agonist used in the method
                                                                                                              Amylin agonist; amylin; gastric motility; gastric emptying; postprandial dumping syndrome; postprandial hyperglycemia; gastrointestinal disorder; spasm; gastrointestinal disorder; spasm; acute diverticulitis; biliary tract disorder; sphincter of oddi disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 36 AA;
                           Modified-site
                                            Disulfide-bond
                                                                                    Synthetic
                                                                                                                                                                                      Amino acid sequence of an amylin agonist analogue compound
                                                                                                                                                                                                                   15-JAN-2001 (first entry)
                                                                                                                                                                                                                                                                          AAB18581 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-059652/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO9850059-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-NOV-1998
                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                    μ
                                                                                                                                                                                                                                                                                                                                                                                                           36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for treating or preventing gastritis - or amylin agonist, except calcitonin.
                                                                                                                                                                                                                                                                                                                                                                               2 CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Page 42; 48pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                           97.5%;
ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        97US-00851965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     98WO-US009089
                        Location/Qualifiers
1. .6
36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
1. .6
             /note=
             "amidated residue"
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                                                                                                                                                                                                                                                                             36
                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                       Score 197; DB 2;
Pred. No. 3.2e-20;
                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   comprises administering
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 36
                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                           <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                 disorder.
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RESULT 42
ABB05495
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      or delaying gastric emptying, and for treating postprandial dumping syndrome or postprandial hyperglycemia, by inducing amylin activity, in a mammal. The peptides are used to reduce gastric motility or for delaying gastric emptying in a mammal undergoing gastrointestinal diagnostic procedures, such as radiological examination or magnetic resonance imaging. They are also used for reducing gastrointestinity in gastrointestinal disorder, especially spasm, which is associated with a disorder of acute diverticulitis or disorders of biliary tract or sphincter of oddi. They are also used to treat postprandial dumping syndrome or postprandial hyperglycemia
                                                                                                                                                                                                          Human; amylin agonist; amylin peptide analogue; acetate; carbohydrate; liquid pharmaceutical formulation; polyhydric alcohol; phosphate; citrate; glutamate; buffer; antidiabetic; type II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI;
         (LITA/) L'ITALIEN J
(MUSU/) MUSUNURI S.
(RUBY/) RUBY K.
                                                             08-JAN-1997;
                                                                                         09-JAN-1998;
                                                                                                                   22-NOV-2001.
                                                                                                                                             US2001043934-A1
                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                               Human amylin agonist des-1Lys25,28,29Pro-h-amylin.
                                                                                                                                                                                                                                                                                             19-APR-2002
                                                                                                                                                                                                                                                                                                                       ABB05495;
                                                                                                                                                                                                                                                                                                                                             ABB05495 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Col 41-42; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Treating gastrointestinal disorder e.g. spasm by reducing gastric motility or delaying gastric emptying, postprandial dumping syndrome costprandial hyperglycemia, by administering amylin or amylin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US6114304-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present sequence represents an amylin agonist analogue compound
                                                                                                                                                                                    sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2000-601336/57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    l Similarity
36; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         36
                                                                                                                                                                                                                                                                                                                                                                                                               CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rink TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   97.5%;
ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A
                                                                                                                                                                                                                                                                                           (first entry)
                                                              97US-0035140P
                                                                                         98US-00005262.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        93US-00118381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   94US-00302069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Brown KAK,
                                                                                                                                                                                                                                                                                                                                                36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 197; DB 3; 1
Pred. No. 3.2e-20;
                                                                                                                                                                                                                                                                                                                                                ₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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PI L'italien J, Musunuri S, Ruby K;

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XX

WPI; 2002-163554/21.

XX

New pharmaceutical formulation useful for treating patients with type II pr diabetse comprises amylin agonist, carbohydrate or polyhydric alcohol and PT a buffer.

XX

Disclosure; Page; 19pp; English.

XX

Disclosure; Page; 19pp; English.

XX

CThe present invention describes a liquid pharmaceutical formulation (A) comprising (wt/vol*) an amylin agonist (0.01 - 0.5), a carbohydrate or a comprising (wt/vol*) an amylin agonist (0.01 - 0.5), a carbohydrate or a comprising (wt/vol*) and an acetate, phosphate, citrate or a comprising package comprises a borosilicate glass vial having an open end, a stopper for multiuse compatible with the amylin and/or amylin aponist (A). CC glutamate buffer (0.02 - 0.5) having a pH of 3 - 6. Also described is a cc activate package comprises a borosilicate glass vial having an open end, a cc activate or a cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in a pen injector. (A) has antidiabetic activity and cartridge for use in appen in the presence of greater of defence tendency to precipitate in the presence of cartridge for use in a pen injector. (A) has antidiabetic activity upon storage under refrigerate of cartridge for use in the presence of cartridge for use in a pen inje
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                     8
                                              Query Match
Best Local S
Matches 36
 \vdash
                       N
                                               l Similarity
36; Conserv
                CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
CHTATCATORLANFLVHSSNNFGPILPPTNVGSNTY
                                               Conservative
                                             97.5%; Score 197; DB 5; 1
100.0%; Pred. No. 3.2e-20;
tive 0; Mismatches 0;
 36
                                                                     Length 36;
                                               Indels
                                              0,
                                             Gaps
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ADI36180
     PR XX 
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     07-SEP-1993;
07-SEP-1994;
                                                                                                                                                                                                                                                             19-AUG-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gastric motility; gastric emptying; amylin agonist; therapy; diagnosis; antidiabetic; hypoglycaemia; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human amylin agonist anologue #9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI36180 standard; peptide; 36 AA.
                                                                                                                                                   22-MAY-2000; 2000US-00576062
                                                                                                                                                                                                                                                                                                                                                            US6608029-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sulfide-bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry
93US-00118381
94US-00302069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Amidated tyrosine"
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RESULT 44
ADO51024
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S
Matches 36
                                                       (KOLT/) KOLTERMAN O G
(YOUN/) YOUNG A A.
(RINK/) RINK T J.
(BROW/) KEATING BROWN
                                                                                                                 07-SEP-1993; 93US-00118381.
07-SEP-1994; 94US-00302069.
22-MAY-2000; 2000US-00576062.
                                                                                                                                                                                                                                                                                                                     Gastric motility; delay gastric emptying; amylin; agonist; postprandial dumping syndrome; postprandial hyperglycemia; gastrointestinal disorder; spasm; radiological examination;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention is directed to novel methods for reducing gastric motility and delaying gastric emptying, comprising the administration of an amylin or an amylin agonist. The invention is useful for reducing gastric motility and delaying gastric emptying for therapeutic and diagnostic purposes. The invention is also useful for treating conditions associated with elevated, inappropriate or undesired post-prandial blood glucose levels and treating ingestion of a toxin. The present sequence is
           WPI; 2004-389180/36
                                                                                                                                                                 18-AUG-2003; 2003US-00643681
                                                                                                                                                                                         20-MAY-2004.
                                                                                                                                                                                                                 US2004097415-A1.
                                                                                                                                                                                                                                                Key
Modified-віte
                                                                                                                                                                                                                                                                                                            magnetic resonance imaging; diabetes; therapy; human.
                                                                                                                                                                                                                                                                                                                                                                        Human amylin agonist peptide analogue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Reducing gastric motility or delaying gastric emptying in a mammal, useful for treating post-prandial hyperglycemia, comprises administering an amylin or an amylin agonist.
                                                                                                                                                                                                                                                                                        Homo
                                                                                                                                                                                                                                                                                                                                                                                                  18-NOV-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                               ADO51024 standard; peptide; 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure;
                                  Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  human amylin agonist analogue.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-118064/12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM
                                                                                                                                                                                                                                                                                      sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          l Similarity
36; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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S
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K
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 10;
                                             f J.
NG BROWN K A.
                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                               Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young
                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                       /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INC
                                  Rink TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rink TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 197; DB 8;
Pred. No. 3.2e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                Keating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Keating Brown
                                                                                                                                                                                                                                                                                                                                                                         #10
                                Brown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
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RESULT 45
AAR37794
ID AAR37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   motility and delaying gastric emptying which comprises the administration of an amylin or an amylin agonist. The invention is useful for treating postprandial dumping syndrome, postprandial hyperglycemia and reducing gastric motility associated with gastrointestinal disorders such as spasm or delaying gastric emptying in a mammal undergoing a gastrointestinal diagnostic procedure such as radiological examination and magnetic resonance imaging. The invention is also useful for lowering postprandial blood glucose levels during treatment of diabetes. The present sequence is human amylin agonist peptide analogue. This sequence is used in the
New amylin agonist peptide(s) - used for treatment and prevention
                                                                                                                                                                                                               Modified-site
                                                                                                                                                                                                                                                                                      Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   emptying and f. hyperglycemia.
                       WPI; 1993-182488/22.
                                                                                                                                                  27-MAY-1993.
                                                                                                                                                                                                                                      Misc-difference
                                                                                                                                                                                                                                                             Misc-difference
                                                                                                                                                                                                                                                                                                                Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                        Hypoglycaemia;
hyperglycaemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-MAR-2003
07-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 36 AA;
                                                                                                                         19-NOV-1992;
                                                                                                                                                                          WO9310146-A1
                                                                                                                                                                                                                                                                                                                            Disulfide-bond
                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAR37794;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAR37794 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention is directed to novel methods for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of amylin agonist for reducing gastric motility, delaying gastric emptying and for treating postprandial dumping syndrome and postprandi
                                                                                                 L9-NOV-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                             (Des-Lys1), Pro25, Val26, Pro28, Pro29 human amylin analogue
                                                                         (AMYL-) AMYLIN PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
                                                LSL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 36
                                                Jones H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (revised)
(first en
                                                                                                                                                                                                                                                                                      /note= "Pro : 25
                                                                                               91US-00794266
                                                                                                                                                                                                                                                                                                                                                                                        insulin; pancreatic amyloid; diabetes mellitus; glucagon;
agent.
                                                                                                                         92WO-US009842.
                                                                                                                                                                                                                                                              /note= "Val replaces wild-type Ile"
27
                                                                                                                                                                                                                                      28
                                                                                                                                                                                                                                                                                                                 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ID NO 10; 35pp; English.
                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                   /note=
                                                                                                                                                                                                                        /note=
                                                                                                                                                                                                                                                 note=
                                                                                                                                                                                                                                                                                                                            .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             97.5%;
100.0%;
                                                Albrecht
                                                                                                                                                                                                  "amidated
                                                                                                                                                                                                                         "Pro replaces
                                                                                                                                                                                                                                                 "Pro replaces wild-type Ser"
                                                                                                                                                                                                                                                                                                 replaces wild-type Ala"
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Pred. No. 3.2e-20;
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                                                                                                                                                                                                                         wild-type Ser'
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hypoglycaemia and diabetes mellitus.

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RESULT 46
AAW22579
                FXSCCCCCCXXX
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Best Local S
Matches 35
The patent discloses a composition which can be used to reduce or suppress food intake, control appetite or control body weight in a mammal, comprising an amylin agonist and a cholecystokinin (CCK) agonist admixed in a form suitable for therapeutic administration. Also disclosed are new hybrid peptides comprising an amylin agonist peptide joined to a CCK agonist via a covalent linking group (see AAW22540 - AAW22551). Purther disclosed are new hybrid peptides which incorporate features of amylin agonist peptides and CCK agonist peptides but which do not employ a linking group. These peptides are of general formula R1-C-R2-C-R3-R4-R5, in which R1 = a free N-terminus or an amidated N-terminus or and the composition of the compos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This peptide is an example of amylin agonists of the invention which can be used as hyperglycaemics. The peptide is an analogue of human amylin which mimics the effects of the wild-type hormone. Preferred peptides are used in admixture with insulin for the treatment of diabetes mellitus or with glucagon for the treatment of hypoglycaemic conditions. See AAR37779 -R37795 and AAR38809-R38826. (Updated on 25-MAR-2003 to correct PN
                                                                                                                                                                                                                                                                                                                                                                Compositions comprising amylin and cholecystokinin agonists - useful reducing food intake, suppressing appetite and controlling body weigh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-JUN-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    appetite regulation; amylin agonist; hybrid; CCK; cholecystokinin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW22579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 36
                                                                                                                                                                                                                                                                                                                       Claim 81; Page 61; 66pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1997-051885/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amylin agonist/CCK agonist hybrid peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW22579 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young AA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  peptide;
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97.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23; 43pp;
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Pred.
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No. 4.4e-20;
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ADH220

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AC Fusion Woldships

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AC AMYLI
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Best Local S
Matches 36
                                                                                                                                                                                                                                                                                                                                                                                                                                      18-SEP-2002;
02-OCT-2002;
11-OCT-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-JAN-2002;
26-FEB-2002;
28-FEB-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence selected from ATQRIANFIVH and VLGKLSQEIHK; R4 = an amino acid sequence selected from SSNNFGFILP and LQTYPR; and R5 = an amino acid sequence selected from DYNGWNDF-NH2, TNTGWNDF-NH2, TNVGWDF-NH2, TNVGWDF-NH2, TNVGWDF-NH2, TNVGSNDF-NH2, TNVGSNDY-NH2 and TNVGSNDY-NH2, TNVGSNDY-NH2 and TNVGSNDY-NH2, TNVGSNDY-NH2 and TNVGSN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fusion protein; human serum albumin; HSA; therapeutic protein; shelf-life; in vitro biological activity; metabolic disorder; endocrine disorder; diabetes; type 1; type 2; diabetes-related condition; hyperglycaemia; neural disorder; neuropathy; retinopathy; cardiovascular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anorectic; ophthalmological; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-MAY-2002;
24-JUL-2002;
                                  New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-MAR-2002;
08-APR-2002;
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                                                                                                                                                WPI; 2003-598501/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23-DEC-2002;
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                                                                                                                                                                                                                         Haseltine
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2002US-0360000P
2002US-036750P
2002US-0370227P
2002US-039800P
2002US-039800P
2002US-0402131P
2002US-0402131P
2002US-04123768P
2002US-04123768P
2002US-04117611P
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2002US-0423623P
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Pred. No. 4.5e-20;
0; Mismatches 1
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Disclosure; SEQ ID NO

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RESULT 48
AAR29205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The therapeutic protein may be fused to the N-terminus, the C-terminus or both termini of albumin via a linker. The albumin component of the fusion proteins proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids albumin fusion protein, vectors and host cells comprising an encoding albumin fusion protein, the method of extending the shelf-life of a clubumin fusion protein, the method of extending the shelf-life of a clubumin fusion protein, the method of extending the shelf-life of a clusing an albumin fusion protein. The albumin fusion proteins may be used in the treatment of metabolic/endocrine disorders, diabetes and diabetes and type 1 and type 2 diabetes, hyperglycaemia, neural disorders (especially neuropathy), retainpathy, cardiovascular disorders consisted and the neuropathy), retainpathy, cardiovascular disorders also be used in a method of maintaining a basal glucose level in a consistent consistent and in a method for losing weight. The present sequence is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                   Use of amylin and opt. insulin for treating anorexia - increases plasma amylin and/or insulin levels, also for treating cachexia conditions, adipose tissue deficiency etc.
Disclosure; Page 16; 19pp; English.
                                                                                                                     WPI; 1992-415470/50
                                                                                                                                                        Rink TJ,
                                                                                                                                                                                                                                     24-MAY-1991;
03-APR-1992;
                                                                                                                                                                                                                                                                                                 23-MAY-1992;
                                                                                                                                                                                                                                                                                                                                      26-NOV-1992.
                                                                                                                                                                                                                                                                                                                                                                           WO9220367-A1
                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Anorexia; cachexia; adipose; amylin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Leu(23)Pro(25)Val(26)Pro(28,29)-h-amylin for treating anorexia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-MAR-2003
20-APR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAR29205;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR29205 standard; protein; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 36
                                                                                                                                                                                                (AMYL-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     36;
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                                                                                                                                                                                                AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KCNTATCATQRLANFLVHSSNNEGPILPPTNVGSNT 36
                                                                                                                                                      Young
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (revised)
(first entry)
                                                                                                                                                                                                                                   91US-00704995.
92US-00862500.
                                                                                                                                                                                                                                                                                               92WO-US004357.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention.
                                                                                                                                                        $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96.5%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              847; 1086pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 195; DB; Pred. No. 6.1:0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ç
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ches 0;
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Treatment of a patient with anorexia or related condition comprises admin. of amylin or an analogue in an amt. sufficient to increase the

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KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY KCNTATCATORLANFLIHSSNNLGPILPPTNVGSNTY

37

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Gaps

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RESULT 49
ARR29211
ID ARR29
XX ARR29
XX 25-MA
DT 25-MA
DT 25-MA
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Query Match
Best Local S
Matches 35
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Best Local S
Matches 35
                                                                                                                                                               Treatment of a patient with anorexia or related condition comprises admin. of amylin or an analogue in an amt. sufficient to increase the amylin level in the plasma of the patient. The pref. amylin analogues are given in AAR29197-222. Treating a patient deficient in adipose tissue comprises admin. of amylin or an analogue and/or insulin in an amt. and ratio sufficient to increase adipose tissue. Typical dosage units contain 0.1-10 mg of amylin analogue and 0.1-1 mg of insulin. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amylin level in the plasma of the patient. The pref. amylin analogues given in AAR99197-222. Treating a patient deficient in adipose tissue comprises admin. of amylin or an analogue and/or insulin in an amt. an ratio sufficient to increase adipose tissue. Typical dosage units cont 0.1-10 mg of amylin analogue and 0.1-1 mg of insulin. (Updated on 25-12003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of amylin and opt. insulin for treating anorexia - increases plasma amylin and/or insulin levels, also for treating cachexia conditions,
                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rink TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-MAY-1991;
03-APR-1992;
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                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 16; 19pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         adipose tissue deficiency etc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1992-415470/50.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ile(17)Leu(23)Pro(25,28,29)-h-amylin for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-MAR-2003
20-APR-1993
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM
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                              Similarity
                                                                                                               37 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KCNTATCATORLANFLVHSSNNLGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young
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(first entry)
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92US-00862500.
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Score 195; DB 2;
Pred. No. 6.3e-20;
L; Mismatches 1
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Pred. No. 6.3e-20;
1; Mismatches 1
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RESULT 50
ARA388
AC AAR38
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AC A
Search completed: May 12, 2006, 15:18:09 Job time: 188 secs
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                                                                                                                                                                                                      Query Match 96.5
Best Local Similarity 94.6
Matches 35; Conservative
                                                                                                                                                                                                                                                                                                                                                                    This peptide is an example of amylin agonists of the invention which can be used as hyperglycaemics. The peptide is an analogue of human amylin which mimics the effects of the wild-type hormone. Preferred peptides are used in admixture with insulin for the treatment of diabetes mellitus or with glucagon for the treatment of hypoglycaemic conditions. See AAR37779 -R37795 and AAR38809-R38826. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                     Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 18; Fig 3 and Page 29; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New amylin agonist peptide(s) - used for treatment and prevention hypoglycaemia and diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1993-182488/22.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-NOV-1991;
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                                                                                                      KCNTATCATQRLANFLYHSSNNLGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                     AΑ;
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(first entry)
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37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "Pro replaces
29
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2. 7
23
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                                                                                                                                                                                                                                     96.5%;
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                                                                                                                                                                                                      Score 195; DB 2; Louis Pred. No. 6.3e-20; 1; Mismatches 1;
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Maximum
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Maximum Match 100%
Listing first 100
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Perfect score:
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     Pred. No. is the number of a
score greater than or equal
and is derived by analysis o
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BG
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seq length: 2000000000
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Match
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     Length
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 US-08-851-965-1
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US-08-851-965-17
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US-08-851-965-18
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US-10-943-681-19
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  Sequence
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US-08-851-965-31
US-10-649-138-19
US-10-91-597-22
US-10-91-597-33
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US-08-870-762A-10
US-09-454-533-7
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US-10-649-138-8
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 \(\(\text{IS}\) - 08 - 870 - 762A - 10 \(\text{IS}\) - 09 - 454 - 533 - 10 \(\text{IS}\) - 09 - 454 - 533 - 10 \(\text{IS}\) - 09 - 454 - 533 - 27 \(\text{IS}\) - 09 - 454 - 533 - 37 \(\text{IS}\) - 09 - 454 - 533 - 37 \(\text{IS}\) - 649 - 138 - 18 \(\text{IS}\) - 10 - 649 - 138 - 27 \(\text{IS}\) - 10 - 649 - 138 - 27 \(\text{IS}\) - 10 - 649 - 138 - 27 \(\text{IS}\) - 10 - 643 - 681 - 3 \(\text{IS}\) - 10 - 643 - 681 - 3
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IS-08-870-762A-12
IS-08-870-762A-14
IS-09-454-533-39
IS-10-649-138-39
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17, Appli 22, Appli 24, Appli 25, Appli 26, Appli 27, Ap
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US-08-851-965-1

ZIP: 90017 COUNTRY:

NUMBER OF SEQUENCES:

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OTHER INFORMATION: disulfide bridge between OTHER INFORMATION: the Cys residues; LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide) US-08-851-965-1
                                                                                               Sequence 1, Application US/08870762A Publication No. US20030026812A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1, Application US/08851965
Publication No. US20020010133A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 37; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,965
FILING DATE: 06-MAY-1997
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
DEFERENCE (POCKET NUMBER: 32,219)
         GENERAL INFORMATION:
APPLICANT: Duft, Bradford
APPLICANT: KOLTERMAN, OTVILLE
TITLE OF INVENTION: METHODS FO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: YOUNG, Andrew A.
APPLICANT: GEDULIN, Bronislava
APPLICANT: BEYNON, Gareth Wyn
TITLE OF INVENTION: METHOD FOR PREVENTING GASTRITIS
TITLE OF INVENTION: USING AMYLIN OR AMYLIN
TITLE OF INVENTION: AGONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEPEAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                                                                        KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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linear
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           FOR TREATING OBESITY
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Best Local S
Matches 37
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SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                    Sequence 9, Application US/09454533

Publication No. US20020187923A1

GENERAL INFORMATION:

APPLICANT: GAETA, Laura S.L. Et Al.

APPLICANT: GAETA, LAURA S.L. Et Al.

TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES

USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASEUSEQ VECESION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/870,7
FILING DATE: 06-JUN-1997
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 226/
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
nes 37; Conserv
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OTHER INFORMATION:
LOCATION: 37
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CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON &
                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
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                                                                                                                                   CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH
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                                                                                                                 ZIP: 90017
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      Version #1.25
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RESULT 2 US-08-870-762A-1

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FEATURE:

OCATION:

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RESULT 4
US-10-649-138-9
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Publication No. US20040038900A1
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL MAYLIN AGONIST PEPTIDES AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
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PRIOR APPLICATION NUMBER: 08/892,549

PILING DATE: «Unknown»

APPLICATION NUMBER: 07/794,266

PILING DATE: 19-NOV-1991

APPLICATION NUMBER: US 07/667,040

PILING DATE: 08-MAR-1991

APPLICATION NUMBER: US 07/667,040

PILING DATE: 08-MAR-1991

APPLICATION NUMBER: US 07/667,040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                       ZIP: 90017

COMPUTER READABLE FORM:

MEDLIM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: I
                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
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                              APPLICATION NUMBER: 08/892,549
FILING DATE: <Unknown>
APPLICATION NUMBER: 07/794,266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
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FILING DATE:
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100.0%; Pred. No. 1.5e-20;
ative 0; Mismatches 0;
      19-NOV-1991
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US-10-643-681-1
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Best Local Similarity
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LENGTH: 37 amino acids
                                                                          COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/10/643,681
FILING DATE: 18-Aug-2003
CLASSIFICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 32,219
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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FILING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
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RINK, Timothy J.
BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: SEQUENCE DESCRIPTION: SI
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STATE: CALIFORNIA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 633 WEST FIFTH STREET
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STRANDEDNESS: single
                                 TELEPHONE: 619/552-2200 TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 213/955-0440
TELEX: 67-3510
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100.0%; Pred. No. 1.5e-20;
tive 0; Mismatches 0;
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SEQ ID NO: 9:
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Matches Query Match

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CURRENT APPLICATION NUMBER: US/10/991,597
CURRENT FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: 60/532,337
PRIOR FILING DATE: 2003-12-26
NUMBER OF SEQ ID NOS: 47
SOPTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 14
LENGTH: 37
TYPE: PRT
ORGANISM: Homo Bapiens
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US-10-991-597-47
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                                                     CURRENT APPLICATION NUMBER: US/10/991,597
CURRENT FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: 60/532,337
PRIOR FILING DATE: 2003-12-26
NUMBER OF SEQ ID NOS: 47
SOFTMARE: FREUSEQ for Windows Version 4.0
SEQ ID NO 47
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Matches
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APPLICANT: Costantino, Henry R.
TITLE OF INVENTION: INTRANASAL ADMINISTRATION OF
TITLE OF INVENTION: GLUCOSE-REGULATING PEPTIDES
FILE REFERENCE: 03-14US
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APPLICANT: Costantino, Henry R.

TITLE OF INVENTION: INTRANASAL ADMINISTRATION OF
TITLE OF INVENTION: GLUCOSE-REGULATING PEPTIDES
FILE REFERENCE: 03-14US
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SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
ORGANISM: Homo sapiens
                      LENGTH: 37
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
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37; Conserv
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US-08-851-965-6
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US-10-775-204-2200
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US-10-775-204-2200
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GENERAL INFORMATION:
APPLICANT: YOUNG, Andrew A.
APPLICANT: GEDULIN, Bronislava
APPLICANT: BEYNON, Gareth Wyn
TITLE OF INVENTION: METHOD FOR P.
TITLE OF INVENTION: USING AWYLIN
TITLE OF INVENTION: AGONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/360,000
PRIOR FILING DATE: 2002-02-28
PRIOR PELICATION NUMBER: 60/378,950
PRIOR FILING DATE: 2002-05-10
PRIOR FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: 60/398,008
PRIOR FILING DATE: 2002-07-24
PRIOR APPLICATION NUMBER: 60/411,355
PRIOR APPLICATION NUMBER: 60/411,355
PRIOR FILING DATE: 2002-10-02
PRIOR FILING DATE: 2002-10-02
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LENGTH: 37
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Publication No. US20020010133A1
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Best Local
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Publication No. US20050186664A1
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Best Local :
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PRIOR FILING DATE: 2002-11-05
PRIOR APPLICATION NUMBER: 60/351,360
PRIOR FILING DATE: 2002-01-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Turner, Andrew J.
TITLE OF INVENTION: Albumin Fusion Proteins
FILE REFERENCE: PF564
CURRENT APPLICATION NUMBER: US/10/775,204
CURRENT FILLING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/341,811
PRIOR FILING DATE: 2001-12-21
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APPLICANT: Haseltine, Will
APPLICANT: Balance, David
APPLICANT: Turner, Andrew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 2222
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PRIOR FILING DATE: 2002-10-11
PRIOR APPLICATION NUMBER: 60/420,246
PRIOR FILING DATE: 2002-10-23
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37; Conserv
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  METHOD FOR PREVENTING GASTRITIS USING AMYLIN OR AMYLIN AGONISTS
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NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON

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US-08-851-965-17
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                                                                                                                                                                                                                                                                                                   Sequence 17, Application US/08851965
Publication No. US20020010133A1
GENERAL INFORMATION:
APPLICANT: YOUNG, Andrew A.
APPLICANT: GEDULIN, Bronislava
APPLICANT: BEYNON, Gareth Wyn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J. 219
REGISTRATION UNMER: 32,219
REFERENCE/DOCKET NUMBER: 224/
TELECOMMUNICATION INFORMATION:
TELEPRONE: 619/552-2200
TELEPRAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
LENGTH: 37 amino acid
                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                   APPLICANT: GEDULIN, Bronislava
APPLICANT: BEYNON, Gareth Wyn
TITLE OF INVENTION: METHOD FOR PREVENTING GASTRITIS
TITLE OF INVENTION: USING AMYLIN OR AMYLIN
TITLE OF INVENTION: AGONISTS
NUMBER OF SEQUENCES: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compartible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,965
FILING DATE: 06-MAY-1997
CTAGGIFTEN TOWN. E1/
                                                                                                                                                                                      ADDRESSEE: LYON & LY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
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TELEFAX: 67-3510
                                                                                                                                 CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                      STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: amidated Tyr (Tyrosinamide)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 514
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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633 WEST FIFTH STREET
                                                                                                                 USA
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PatentIn Release #1.0, Version #1.25
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Pred. No. 2e-20;
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RESULT 11
US-08-870-762A-5
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                                                                                                                                                                  COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PASTEMC Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/870,71
FILING DATE: 06-UUN-1997
CLASSIFFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
FRIGHT: 37 amino acids
INFORMATION FOR SEQ ID NO:
                                                   REFERENCE/DOCKET NUMBER: 22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-2200
                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                     FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Duft, Bradford
APPLICANT: Kolterman, Orvill
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS
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OTHER INFORMATION:
OTHER INFORMATION:
LOCATION: 37
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                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
                      TELEFAX: 619-552-0159
TELEX:
                                                                                                   NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/851,965
FILING DATE: 06-MAY-1997
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match 99.5%;
Local Similarity 97.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: amidated Tyr (Tyrosinamide)
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linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 12, Application US/09454533
Publication No. US20020187923A1
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                          TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 12:
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LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
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OTHER INFORMATION: disulfide bridge between
OTHER INFORMATION: the Cys residues
LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: sin
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                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 08/892,549
FILING DATE: <UNKNOWN-
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                              NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 22.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                            FEATURE:
                                                          MOLECULE TYPE:
                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 4
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36; Conserv
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                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                                    LENGTH: 37 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KCNTATCATQRLANFLVHSSNNFGFVLFFTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                      OCATION:
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  INFORMATION:
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                                                        peptide
                                                                                linear
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97.3%; Pred. No. 2e-20;
amidated Tyr (Tyrosinamide)
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; SEQUENCE DESCRIPTION: SEQ ID NO: 12: US-10-649-138-12
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US-10-649-138-12
; Sequence 12, Application US/10649138
; Publication No. US20040038900A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 36; Conserv
                                                          Matches
                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES
                                                                                                                                                                                                                                                                                                                                            TELEX: 67-3510 INFORMATION FOR SEQ ID NO: 12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/454,533
APILING DATE: 06-Dec-1999
APPLICATION NUMBER: 08/892,549
APPLICATION NUMBER: 07/794,266
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DIET BRANGED: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDENNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 22
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/10/649,138 FILING DATE: 26-Aug-2003 CLASSIFICATION: <Unknown>
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                                                                                                                                                                     LOCATION: 37
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
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                                                          Conservative
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                                                                          99.5%;
97.3%;
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Pred. No. 2e-20;
1; Mismatches

    Mismatches

                                                                          Score 201; DB 4; Length 37; Pred. No. 2e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                          227/006
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                                                          ٥.
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                                                          Indels
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                                                         Gaps
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OTHER INFORMATION: amidated Tyr (Tyrosinamide); SEQUENCE DESCRIPTION: SEQ ID NO: 7: US-10-643-681-7
                                                                                                                   RESULT 15
US-10-643-681-18
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US-10-643-681-7
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                                                   Sequence 18, Application US/10643681
Publication No. US20040097415A1
GENERAL INFORMATION:
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Publication No. US20040097415A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DUFF, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/555-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 30 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   YOUNG, Andrew A.
RINK, Timothy J.
ROWN, Kathleen Ann Keiting
BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                         1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                        36;
                                                                                                                                                                                                   KCNTATCATORLANFLVHSSNNFGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/10/643,681 FILING DATE: 18-Aug-2003 CLASSIFICATION: 514
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STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
                                                                                                                                                                                                                                                                                        Conservative
           KOLTERMAN, Orville G. YOUNG, Andrew A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                peptide
                                                                                                                                                                                                                                                                                                       99.5%; Score 201; DB 4; Length 37; 97.3%; Pred. No. 2e-20;
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                                                                                                                                                                                                                                                                                   Mismatches
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APPLICANT: Quay, Steven C.
APPLICANT: Costantino, Henry R.
APPLICANT: Costantino, Henry R.
TITLE OF INVENTION: INTRANASAL ADMINISTRATION OF
TITLE OF INVENTION: GLUCOSE-REGULATING PEPTIDES
FILE REFERENCE: 03-14US
CURRENT APPLICATION NUMBER: US/10/991,597
CURRENT FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: 60/532,337
PRIOR APPLICATION NUMBER: 60/532,337
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 17
                                                                                                                                                                                                                                                           RESULT 16
US-10-991-597-17
; Sequence 17, Application US/10991597
; Publication No. US20050143303A1
; GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible operating system: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, V CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/643,681 FILING DATE: 18-Aug-2003 CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 90017
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RINK, Timothy J.

BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
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ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  36;
                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: LOS ANGELES STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 213/955-0440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 201; DB 4
Pred. No. 2e-20;
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                                                                                                                                                                                                                                                                         US-08-851-965-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino
                                                                                                                                        Matches
                                                                                                                                                                                                       Query Match
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Publication No. US20020010133A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 224/
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEPAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
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APPLICANT: GEDULIN, Bronislava
APPLICANT: BEYNON, Gareth Wyn
TITLE OF INVENTION: METHOD FOR PREVENTING GASTRITIS
TITLE OF INVENTION: USING AMYLIN OR AMYLIN
TITLE OF INVENTION: AGONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
COMPUTER: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
CORRENT APPLICATION DATA:
CORRENT APPLICATION DATA:
COMPAND DATA:
CO
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ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: FILING DATE: 06-MAN CLASSIFICATION: 51
                                                                                                                                                                                                                                                                                                     LOCATION: 36
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 36 amino acids
TYPE: amino acid
TYPE: single
                                                                                                                                                                       Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                          OCATION: 1,6
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                                                                                                                                                                       Similarity
                                      CNTATCATQRLANFLVHSSNNFGFILPPTNVGSNTY 37
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CHTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 36
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                                                                                                                                        Conservative
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97.3%;
                                                                                                                                                         97.5%; Score 197; DB 2; Length 36; 100.0%; Pred. No. 7e-20;
                                                                                                                                                                                                                                                                                                                                                                        disulfide bridge between the Cys residues
                                                                                                                                                                                                                                                                                                     amidated Tyr (Tyrosinamide)
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Pred. No. 2e-20;
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                                                                                                                                    Mismatches
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                                                                                                                                    Indels
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RESULT 19
US-10-643-681-10
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US-08-870-762A-15
                                                                                                                                              Sequence 10, Application US/10643681 Publication No. US20040097415A1
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                                                                                                                                                                                                                                                                                                                                                                    Query Match
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ZIP: 90071-2066
COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 226/
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-2200
TELEFAX: 619-552-0159
                                                                                                          GENERAL INFORMATION: APPLICANT: KOLTERMAN, Orville G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/870,762A
FILING DATE: 06-JUN-1997
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
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ADDRESSEE: LYON & LYON
STREET: 633 WEST_FIFTH STREET, SUITE 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Kolterman, Orville
TITLE OF INVENTION: METHODS FOR TREATING OBESITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: 1,6
OTHER INFORMATION:
OTHER INFORMATION:
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OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                             Local Similarity
       YOUNG, Andrew A.
RINK, Timothy J.
BROWN, Kathleen Ann Keiting
HOTTLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
NUMBER OF SEQUENCES: 30
                                                                                                                                                                                                                                                                                                                                36;
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                                                                                                                                                                                                                                                                            2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                            97.5%; Score 197; DB 2;
100.0%; Pred. No. 7e-20;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                     amidated Tyr (Tyrosinamide)
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                  FILE REPERENCE: PF574
CURRENT APPLICATION NUMBER: US/10/775,180
CURRENT APPLICATION NUMBER: US/10/775,180
CURRENT APPLICATION NUMBER: PCT/US02/40892
PRIOR APPLICATION NUMBER: PCT/US02/40892
PRIOR APPLICATION NUMBER: 60/341,811
PRIOR FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 60/360,000
PRIOR FILING DATE: 2002-02-28
PRIOR APPLICATION NUMBER: 60/378,950
PRIOR FILING DATE: 2002-07-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-775-180-847
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                APPLICANT: Rosen, Craig A.
APPLICANT: Haseltine, William A.
TITLE OF INVENTION: Albumin Fusion Proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
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SEQUENCE DESCRIPTION: SEQ ID NO: 10:
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FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DUTT, BRADFORD J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 213/955-0440
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
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ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 36 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/10/643,681 FILING DATE: 18-Aug-2003 CLASSIFICATION: 514
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STATE: CALIFORNIA
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NUMBER: 60/411,355
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US-10-775-180-847
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                                                                                                                                                                                                                                   SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/851,965
FILING DATE: 06-MAY-1997
CLASSIFICATION: $14
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 32,4042
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
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SEQ ID NO 847
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Best Local Similarity
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
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PRIOR APPLICATION NUMBER: 60/414,984
PRIOR FILING DATE: 2002-10-02
PRIOR APPLICATION NUMBER: 60/417,611
PRIOR APPLICATION NUMBER: 60/417,611
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR FILING DATE: 2002-10-11
PRIOR APPLICATION NUMBER: 60/420,246
PRIOR FILING DATE: 2002-10-23
PRIOR APPLICATION NUMBER: 60/423,623
PRIOR APPLICATION NUMBER: 60/423,623
PRIOR FILING DATE: 2002-11-05
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APPLICANT:
APPLICANT:
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                   FEATURE:
LOCATION:
                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: GEDULÍN, Bronislava
APPLICANT: BEYNON, GATETH WYN
TITLE OF INVENTION: METHOD FOR PREVENTING GASTRITIS
TITLE OF INVENTION: USING AMYLIN OR AMYLIN
TITLE OF INVENTION: AGONISTS
                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS
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                                                                                                                                                                                                     TELEPHONE: 617/ -- TELEPHONE: 617/ -- 12/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OTHER INFORMATION: disulfide bridge between
                                                                                      TOPOLOGY:
                                                                                                  STRANDEDNESS:
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CITY: LOS ANGELES
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633 WEST FIFTH STREET
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                                                                                 linear
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Publication No. US20020010133A1
GENERAL INFORMATION:
APPLICANT: YOUNG, Andrew A.
APPLICANT: GEDULIN, Bronislava
APPLICANT: GEDULIN, Bronislava
APPLICANT: BEYNON, Gareth Wyn
TITLE OF INVENTION: METHOD FOR PREVENTING GASTRITIS
TITLE OF INVENTION: USING AMYLIN OR AMYLIN
TITLE OF INVENTION: AGONISTS
TITLE OF INVENTION: AGONISTS
                                                                             Query Match
Best Local (
                                                               Matches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 22.
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MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
COMPUTER: PM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                             MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE: 06-MAY CLASSIFICATION: 514
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LOCATION: 37
OTHER INFORMATION:
                                                                                                                                          LOCATION: 37
OTHER INFORMATION:
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TELEFAX: 213/955-0440
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                                                                                                                                                                                                           OCATION: 2,7
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                                                                               Similarity
                  KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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KCNTATCATORLANFLIHSSNNLGPILPPTNVGSNTY 37
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633 WEST FIFTH STREET
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                                                                          Score 195; DB 2;
Pred. No. 1.4e-19;
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Pred. No. 1.4e-19;
                                                               Mismatches
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OTHER INFORMATION: amidated Tyr (Tyrosinamide); SEQUENCE DESCRIPTION: SEQ ID NO: 16: US-09-454-533-16
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US-09-454-533-16
Sequence 16, Application US/09454533
; Publication No. US20020187923A1
3-09-45----
Sequence 22, Application
Sequence 22, Application
Sequence 22, Application
Sequence 22, Application
Publication No. US2002018792254
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
APPLICANT: GAETA, Laura S.L. Et Al.
USES THEREFOR
USES THEREFOR
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Best Local
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APPLICANT: GAETA, Laura S.L. Et Al.

APPLICANT: GAETA, LAURA S.L. Et Al.

TITLE OF INVENTION: MOVEL AMYLIN AGONIST PEPTIDES AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 08/892,549
FILING DATE: <UNKNOWN'
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-WAR-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: 619/552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
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ADDRESSEE: LYON & LYON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                     35;
                                                                                                                                                                                                                                                         _
                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                               KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                       KCNTATCATORLANFLVHSSNNLGPVLPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: CALIFORNIA COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/09/454,533 FILING DATE: 06-Dec-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 213/955-0440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 90017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 37 amino acids
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                                                                                                                                                                                                                                                                                                                                                     96.5%;
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Pred. No. 1.4e-19
1; Mismatches
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; LOCATION: 37
; OTHER INFORMATION: amidated Tyr (Tyrosinamide); SEQUENCE DESCRIPTION: SEQ ID NO: 22: US-09-454-533-22
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US-10-649-138-16
                                                                                                                                                                                                                                                                                                                                     Sequence 16, Application US/10649138
Publication No. US20040038900A1
GENERAL INFORMATION:
GAPPLICANT: GAETA, Laura S.L. Et Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
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INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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APPLICATION NUMBER: 07/794,266
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELEPHONE: 619/552-2200
  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1EM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 41
                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            35; Conservative
                                                                                                                   COUNTRY: USA
ZIP: 90017
                                                                                                                                                               STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KCNTATCATQRLANFLIHSSNNLGPILPPTNVGSNTY 37
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STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 213/955-0440
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STREET: 633 WEST FIFTH STREET
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Pred. No. 1.4e-19;
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US-10-649-138-22
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Publication No. US20040038900A1
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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INFORMATION FOR SEQ ID NO: 16:
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/649,138
FILING DATE: 26-Aug-2003
CLASSIFICATION DATA:
APPLICATION MUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
APPLICATION NUMBER: 08/09/454,533
FILING DATE: 06-Dec-1999
APPLICATION UNMER: 08/09/454,533
FILING DATE: 04-Dec-1999
APPLICATION UNMER: 08/09/454,533
FILING DATE: 04-Dec-1999
APPLICATION UNMER: 08/09/454,533
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APPLICATION NUMBER: US/09/454,533

FILING DATE: 06-Dec-1999

APPLICATION NUMBER: 08/892,549

FILING DATE: <Unknown>
APPLICATION NUMBER: 07/794,266

FILING DATE: 19-NOV-1991

APPLICATION NUMBER: US 07/667,040

FILING DATE: 08-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 96.5%;
Local Similarity 94.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
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REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/649,138
FILING DATE: 26-Aug-2003
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: protein
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                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                         CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
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RESULT 27
US-10-643-681-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 11, Application Publication No. US2004 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S
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INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YOUNG, Andrew A.
RINK, Timothy J.
BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
                    NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
                                                                                                        APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                  APPLICATION NUMBER: US/10/643,681
FILING DATE: 18-Aug-2003
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ch 96.5%;
l Similarity 94.6%;
35; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 90017
                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Application US/10643681
No. US20040097415A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KOLTERMAN, Orville G.
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Best Local Similarity
Matches 35; Conserv
                                                                                                                              TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
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INFORMATION FOR SEQ ID NO: 11:
                                                                                                                                                                                                                             COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/10/643,681
FILING DATE: 18-Aug-2003
CLASSIFICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 03/21994
APPLICATION NUMBER: 03/21994
APPLICATION NUMBER: 03/21994
APPLICATION NUMBER: 03/219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                YOUNG, Andrew A.
RINK, Timothy J.
BROWN, Kathleen Ann Keiting
BROWN, MATHODS FOR REGULATING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
                    MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: KOLTERMAN, Orville G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                   LENGTH: 37 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: LOS ANGELES
STATE: CALIFORNIA
                                      STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                                                                                              TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 213/955-0440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 27, Application US/10991597
Publication No. US20050143303A1
GENERAL INFORMATION:
APPLICANT: Quay, Steven C.
APPLICANT: Costantino, Henry R.
TITLE OF INVENTION: INTRANASAL ADMINISTRATION OF
TITLE OF INVENTION: GLUCOSE-REGULATING PEPTIDES
TITLE OF INVENTION: 13-140S
CURRENT APPLICATION NUMBER: US/10/991,597
CURRENT PILING DATE: 2004-11-18
PRIOR PILING DATE: 2003-12-26
NUMBER OF SEQ ID NOS: 47
SEQTHARE: PASESEQ for Windows Version 4.0
SEQTHARE: 37
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CURRENT APPLICATION NUMBER: US/10/991,597
CURRENT FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: 60/532,337
PRIOR FILING DATE: 2003-12-26
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 37
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Publication No. US20050209142A1
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APPLICANT: Briandsson, Rikard
APPLICANT: Frisen, Jonas
APPLICANT: Haegerstrand, Anders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            McGuire, Jacqueline
Mercer, Alex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heidrich, Jessica
Hellstrom, Nina
Haggblad, Johan
Jansson, Katarina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kortesman, Jarkko
Lindquist, Per
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Patrone, Cesare
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Matches 35; Conservative
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                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-991-597-27
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Best Local Similarity
Matches 35; Conserv
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TITLE OF INVENTION: COMPOUNDS AND METHODS FOR INCREASING NEUROGENESIS
FILE REPERENCE: 21882-517 CTP
CURRENT APPLICATION NUMBER: US/10/850,055
CURRENT FILING DATE: 2004-05-19
PRIOR PILING DATE: 2003-11-20
PRIOR FILING DATE: 2003-11-20
PRIOR FILING DATE: 2003-11-20
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn version 3.2
SEQ ID NO 34
LENGTH: 37
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                                                                                                  'Match 96.5%; Score 195; DB 4; Length 37; Local Similarity 94.6%; Pred. No. 1.4e-19; es 35; Conservative 1; Mismatches 1; Indels
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  LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
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                                                                                                                                                                                                       RESULT 30
US-10-991-597-21
; Sequence 21, Application US/10991597
; Publication No. US20050143303A1
; GENERAL INFORMATION:
; APPLICANT: Quay, Steven C.
; APPLICANT: Quay, Steven C.
; TITLE OF INVENTION: INTRAMASAL ADMINISTRATION OF
; TITLE OF INVENTION: GLUCOSE-REGULATING PEPTIDES
; FILE REFERENCE: 03-14US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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96.5%; Score 195; DB 5;
Best Local Similarity 97.3%; Pred. No. 1.4e-19;
Matches 36; Conservative 0; Mismatches 1
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10-870-850-055-34

1 Sequence 34, Application US/10850055

1 Publication No. US20050009742A1

1 GENERAL INFORMATION:

1 APPLICANT: Bertilson, Goran

2 APPLICANT: Erlandsson, Rikard

3 APPLICANT: Frisen, Jonas

3 APPLICANT: Haegerstrand, Anders
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Heidrich, Jessica
Hallstrom, Kristina
Haggblad, Johan
Jansson, Katarina
Kortesman, Jarkko
Lindquist, Per
Lundh, Hanna
McCuire, Jacqueline
Mercer, Alex
Nyberg, Karl
Ossoinak, Amina
Patrone, Cesare
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Wikstrom, Lillian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-850-055-34
                                                        US-10-643-681-17
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APPLICANT:
APPLICANT:
                                                                                                  Query Match
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Matches
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96.0%; Score 194; DB 2; Length 37; 97.3%; Pred. No. 1.9e-19; tive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATURG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,965
FILING DATE: 06-MAY-1997
CLLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 224/042
TELERCOMMUNICATION INFORMATION:
TELEBEHONE: 619/552-2200
TELERCAS: 213/955-0440
TELER.: 213/955-0440
TELER.: 213/955-0440
TELER.: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PREVENTING GASTRITIS
                                                                                                                                                                                                                                                                                                   1 KCNTATCATQRLANFLVRSSNNFGPILPPTNVGSNTY 37
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                                                                                                                        amidated Tyr (Tyrosinamide)
                                                                                                                                                                                   Score 194; DB 2;
Pred. No. 1.9e-19;
0; Mismatches 1
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the Cys residues
                                                      disulfide bridge between
the Cys residues
                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 34, Application US/08851965
Publication No. US20020010133A1
GENERAL INPORMATION:
APPLICANT: GEDULIN, Bronislava
APPLICANT: GEDULIN, Bronislava
TITLE OF INVENTION: METHOD FOR PREVENTING GAS;
TITLE OF INVENTION: WETHOD FOR PREVENTING CAS;
TITLE OF INVENTION: AGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                   Query Match
Best Local Similarity 97.3%;
Matches 36; Conservative
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Best Local Similarity 97.31
Matches 36; Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: protein
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OTHER INFORMATION:
LOCATION: 37
                               LOCATION: 2,7
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                               ; LOCATION: 37
; OTHER INFORMATION:
US-08-851-965-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: LOS ANGELES
STATE: CALIFORNIA
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APPLICANT: Ronnholm, Harriet
APPLICANT: Witeerom, Lillian
APPLICANT: Witeerom, Lillian
APPLICANT: Zachrisson, Olof
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR INCREASING NEUROGENESIS
FILE REFERENCE: 21883-517 CIP2
CURRENT APPLICATION NUMBER: US/10/993,667
CURRENT FILING DATE: 2004-11-19
PRIOR PILING DATE: 2003-11-9
PRIOR FILING DATE: 2003-11-20
PRIOR FILING DATE: 2003-11-20
PRIOR FILING DATE: 2003-11-20
PRIOR FILING DATE: 2002-11-20
PRIOR FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patentin version 3.3
SEQ ID NO 34
LENGTH: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: YOUNG, Andrew A.
APPLICANT: GEDUIN, Bronielava
APPLICANT: GEDUIN, Bronielava
APPLICANT: GENOUIN, Bronielava
TITLE OF INVENTION: METHOD FOR PREVENTING GASTRITIS
TITLE OF INVENTION: METHOD FOR PREVENTING
TITLE OF INVENTION: AGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 MEST FIFTH STREET
CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,965
FILING DATE: 06-MAY-1997
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION UN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATQRLANFLVHSSNNFGPILPPYNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 195; DB 5;
Pred. No. 1.4e-19;
0; Mismatches 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 90017
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 7, Application US/08851965
Publication No. US20020010133A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 97.3%;
Matches 36; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT; ORGANISM: Homo sapiens
US-10-993-667-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
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Query Match 96.0%; Score 194; DB 2; Length 37; Best Local Similarity 97.3%; Pred. No. 1.9e-19; Matches 36; Conservative 0; Mismatches 1; Indels
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Publication No. US20020187923A1
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
ATILE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
WINDER READABLE FORM:
WORDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KCNTATCATQRLANFLVHSSNNFGPILPSTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  i LOCATION: 37
; OTHER INFORMATION: amidated Tyr (Tyrosinamide)
US-08-870-762A-11
                       ACKRESTORIESCEE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STATE: CA
COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: US/08/870,762A
FLING DATE: 06-JUN-1997
CLASSIFICATION NUMBER: US/08/870,762A
FLING DATE:
APPLICATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
TELEPHONE: 619-552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     disulfide bridge between
the Cys residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: peptide
             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: 2,7
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-454-533-13
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                                                                                                                             Sequence 2, Application US/08870762A

Sequence 2, Application US/08870762A

Sequence 2, Application US/08870762A

Sequence 3, Application US/08870762A

APPLICAMT: Duft, Bradford

APPLICAMT: Colterman, Orville

TITLE OF INVENTION: METHODS FOR TREATING OBESITY

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: LYON & LYON

STATE: G33 WEST FIFTH STREET, SUITE 4700

CITY: LOS ANGELES

STATE: ADARESSEE: LYON & LYON

STATE: DA

COUNTRY: USA

ZIP: 90071-2066

COMPUTER: IBM Compatible

COMPUTER: IBM Compatible

COMPUTER: IBM Compatible

COMPUTER: DESCRIPTION OF ATA:

MEDIUM TYPE: Diskette

COMPUTER: DISKETTE

COMPUTER: USA

SOFTWARE: FastSEQ Version 2.0

CURRENT APPLICATION NUMBER: US/08/870,762A

FILING DATE: 06-JUN-1997

CLASSIFICATION NUMBER: US/08/870,762A

FILING DATE:

PRICATION NUMBER: 32,219

REGISTRATION NUMBER: 32,219

REGISTRATION NUMBER: 226/104

TELEPHONE: 619-552-2200

TELEFPX: 619-552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-870-762A-11
Sequence 11, Application US/08B70762A
Publication No. US20030026812A1
GENERAL INFORMATION:
APPLICANT: Duft, Bradford
APPLICANT: Kolterman, Orville
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 15
1 KCNTATCATQRLANFLVHSSNNFGPILLPSTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           i LOCATION: 37
i OTHER INFORMATION: amidated Tyr (Tyrosinamide)
US-08-870-762A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 96.0%; Score 194; DB 2; Best Local Similarity 97.3%; Pred. No. 1.9e-19; Matches 36; Conservative 0; Mismatches 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: disulfide bridge between OTHER INFORMATION: the Cys residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS: LENGTH: 37 amino acids TYPE: amino acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION:
                                                                                                                          US-08-870-762A-2
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COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
COFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/649,138
FILING DATE: 26-Aug-2003
CLASSIFICATION: «Unknown»
PRIOR APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
APPLICATION NUMBER: 08/892,549
FILING DATE: «UNKnown»
APPLICATION NUMBER: US/794,266
FILING DATE: 19-NOV-1991
ATTORNEY/AGENT INFORMATION:
AND ATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 13, Application US/10649138
Publication No. US20040038900A1
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
ITLE OF INVENTION: USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 38:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KCNTATCATQRLANFLVHSSNNFGPILPSTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 96.0%; Score 194; DB 3; Best Local Similarity 97.3%; Pred. No. 1.9e-19; Matches 36; Conservative 0; Mismatches 1
                                         REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 227/006
REFERENCE/DOCKET NUMBER: 227/006
TELEPHONE: 619/552-2200
TELEPHONE: 619/552-2200
TELEPHONE: 619/552-2200
TELEPHONE: 67-3510
INFORMATION FOR SEQ ID NO: 38
SEQUENCE CHARACTERISTICS:
LENGTH: 37 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 227/006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STRATE: CALIFORNIA
COUNTRY: USA
ZIP: 90017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: 619/552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: DUFT, BRADFORD J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-454-533-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 39
US-10-649-138-13
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// Publication No. US20020187923A1
// GENERAL INFORMATION:
// APPLICANT: GAETA, Laura S.L. Et Al.
// TITLE OF INVENTION: USES THEREPOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 )
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-454-533-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
COMPUTER READABLE FLOOPY disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Datentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
PLING DATE: 06-Dec-1999
CLASSIFICATION: <a href="https://www.nappi.com/">CLASSIFICATION: <a href="https://www.nappi.com/">cuassification: <a href="https://www.nappi.com/">www.nappi.com/</a>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KCNTATCATORLANFLVRSSNNFGPILPPTNVGSNTY 37
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96.0%; Score 194; DB 3;
Best Local Similarity 97.3%; Pred. No. 1.9e-19;
Matches 36; Conservative 0; Mismatches 1.
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIPICATION: CURROWN>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/892,549
FILING DATE: AUNTOWN>
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-WAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUTY: BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELEFAM: 213/955-0440
TELEFAM: 213/955-0440
TELEFAM: 213/955-0440
TELEFX: 67-3510
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/892,549
PILING DATE: «Unknown»
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: 08 07/667,040
FILING DATE: 08-WAR-1991
ATTORNEY/AGENT INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSER: LYON & LYON
STREET: 633 WESF FIFTH STREET
CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
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US-09-454-533-38
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                                                                 Length 37;
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                                                                                                                               Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8, Application US/10643681
Publication No. US20040097415A1
GENERAL INFORMATION:
APPLICANT: KOLTERAN, Orville G.
YOUNG, Andrew A.
RINK, Timothy J.
BROWN, Kathleen Ann Keiting
BROWN, RATHLEOS FOR REGULATING
GASTROINTESTINAL MOTILITY
                                                                                                                                                                                                                           1 KCNTATCATQRLANFLVHSSNNFGPILPSTNVGSNTY 37
                                                                                                                                                                                       1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                              Score 194; DB 4;
Pred. No. 1.9e-19;
0; Mismatches 1;
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Pred. No. 1.9e-19;
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APPLICATION NUMBER: US/10/643,681
FILING DATE: 18-Aug-2003
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DUET, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION: UNFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 90017
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
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LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: single
                                                              96.0%;
ilarity 97.3%;
Conservative
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Best Local Similarity 97.3%;
Matches 36; Conservative
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INFORMATION FOR SEQ ID NO: 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: LOS ANGELES STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
                                                              Query Match
Best Local Similarity
Matches 36; Conserv
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   US-10-649-138-38
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MEDIUM TYPES: FADOPA disk

MEDIUM TYPES: FADOPA disk

COMBUTER: 1BM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/649,138

FILING DATE: 26-Aug-2003

CLASSIFICATION: AUNKNOWN>
PRIOR APPLICATION: AUNKNOWN>
PRIOR APPLICATION NUMBER: US/09/454,533

FILING DATE: 06-Dec-1999

APPLICATION NUMBER: 07/794,266

FILING DATE: 19-NOV-1991

APPLICATION NUMBER: US/09/67,040

FILING DATE: 08-MAR-1991

ATTORNEY/AGENT INFORMARIUN:

AND ATTORNEY/AGENT INFORMATION:

AND ATTORNEY/AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 38, Application US/10649138
Publication No. US200400389900A1
GENERAL INFORMATION:
APPLICANT: GAETA, LAURA S. L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
USES THEREFOR
                                                                                                                                                                                                                                                                                                                                           Length 37
                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                          OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 13: US-10-649-138-13
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OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KCNTATCATQRLANFLVRSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                    Score 194; DB 4;
Pred. No. 1.9e-19;
0; Mismatches 1
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REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALLFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 619/552-2200
LENGTH: 37 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 213/955-0440
                          TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                 Query Match 96.0%;
Best Local Similarity 97.3%;
Matches 36; Conservative (
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                                                                                     TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 40
US-10-649-138-38
                                                                                                                                                FEATURE
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ADDRESSEE: LYON & LYON
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Publication No. US20020187923A1
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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Publication No. US20050143303A1

GENERAL INFORMATION:

APPLICANT: Quay, Steven

TITLE OF INVENTION: INTRANASAL ADMINISTRATION OF

TITLE OF INVENTION: INTRANASAL ADMINISTRATION OF

TITLE OF INVENTION: INTRANASAL ADMINISTRATION OF

TITLE OF INVENTION: 101-0991,597

CURRENT FILING DATE: 2004-11-18

PRIOR PILIAG DATE: 2003-11-26

NUMBER OF SEQ ID NOS: 47

SOFTWARE: PRESENCE 2003-12-26

SOFTWARE: PRESENCE OF WINDOWS VERSION 4.0

SEQ ID NO 43

LENGTH: 37
                                              Sequence 18, Application US/10991597

Publication No. US2005014330341

GENERAL INFORMATION:

APPLICANT: Quay, Steven C.

APPLICANT: Costantino, Henry R.

ITTLE OF INVENTION: INTRAMASAL ADMINISTRATION OF

ITTLE OF INVENTION: GLUCOSE-REGULATING PEPTIDES

FILE REPRENCE: 03-140S

CURRENT FILING DATE: 2004-11-18

PRIOR APPLICATION NUMBER: 60/532,337

PRIOR FILING DATE: 2003-12-26

NUMBER OF SEQ ID NOS: 47

SQOTWARR: PASESEQ FOR Windows Version 4.0

SGOTWARR: 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       96.0%; Score 194; DB 5; 97.3%; Pred. No. 1.9e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ch 96.0%; Score 194; DB 5; 1 Similarity 97.3%; Pred. No. 1.9e-19; 36; Conservative 0; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 97.3
Matches 36; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
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US-09-454-533-15
                                   US-10-991-597-18
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                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
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US-10-649-138-15
Sequence 15, Application US/10649138
Sequence 15, Application No. US20040038900A1
Publication No. US20040038900A1
GENERAL INFORMATION:
HOPPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION:
USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                        COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patenth Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIFICATION: «UNKNOWN»
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 90017

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CNTATCATQRLANFLVHSSNNFGPILPPSNVGSNTY 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
95.5%; Score 193; DB 3;
Best Local Similarity 97.2%; Pred. No. 2.5e-19;
Matches 35; Conservative 1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/892,549
FILING DATE: <UNKNOWN>
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 22,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION: INFORMATION:
TELEPHONE: 619/552-2200
STREET: 633 WEST FIFTH STREET CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                            MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 36 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                               ZIP: 90017
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: LOS ANGELES
STATE: CALIFORNIA
                                                  STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FOPOLOGY: linear
                                                                        COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION:
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CURRENT APPLICATION DATA:

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Dilication No. COLONIA
GENERAL INFORMATION:
APPLICANT: GAETA, LAUKA S.L. Et Al.
APPLICANT: GAETA, LAUKA NAYLIN AGONIST PEPTIDES AND
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 95.0%; Score 192; DB 3; Length 36; Best Local Similarity 94.4%; Pred. No. 3.5e-19; Matches 34; Conservative 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 40, Application US/10649138
Publication No. US20040038900A1
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEFTIDES AND USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: 36
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 40:
                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: «Unknown»
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: 07/67,040
FILING DATE: 08-NAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIFICATION: «UDKNOWN»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/892,549
                                                                                                                                                                                                                                              ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                US-09-454-533-40
; Sequence 40, Application US/09454533
; Publication No. US20020187923A1
                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 619/552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 36 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                 NUMBER OF SEQUENCES: 41 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 41 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                             CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-454-533-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 48
US-10-649-138-40
              RESULT 47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20, Application US/10991597
Publication No. US20050143303A1
GENERAL INFORMATION:
APPLICANT: Quay, Steven C.
APPLICANT: Costantino, Henry R.
ITILE OF INVENTION: INTRANASAL ADMINISTRATION OF
ITILE REFERENCE: 03-14US
CURRENT APPLICATION NUMBER: US/10/991,597
CURRENT APPLICATION NUMBER: 06/532,337
PRIOR FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: 60/532,337
PRIOR PLING DATE: 2003-12-26
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CNTATCATQRLANFLVHSSNNFGPILPPSNVGSNTY 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95.5%; Score 193; DB 4; 97.2%; Pred. No. 2.5e-19; iive 1; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 193; DB 5;
Pred. No. 2.5e-19;
APPLICATION NUMBER: US/10/649,138
FILING DATE: 26-Aug-2003
CLASSIPICATION: CURNOWN>
PRIOR APPLICATION OF STATE
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
APPLICATION NUMBER: 08/892,549
FILING DATE: CUNKNOWN>
APPLICATION NUMBER: US/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US/7667,040
FILING DATE: 08-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Mismatches
                                                                                                                                                                                                                                                                                                                 NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 97.2%;
Matches 35; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-991-597-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE
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LENGTH: 36
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95.0%; Score 192; DB 5; Length 36; 94.4%; Pred. No. 3.5e-19;
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                                                                                                                                                           2 CNTAICATQRLANFLVHSSNNFGPILPPINVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: CURRINGS
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: 07/667,040
FILING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 32,219
                                                                                                                  2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIFICATION: CUNKNOWN>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/892,549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALLFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 619/552-2200
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TELEX: 67-3510
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 90017
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: protein
                                                                  Query Match
Best Local Similarity 94.4<sup>1</sup>
Matches 34; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ropology: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 97.3
Matches 36, Conservative
      ; ORGANISM: Homo sapiens
US-10-991-597-45
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COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

REPLICATION DATA:

PRIOR APPLICATION NUMBER: US/10/649,138

FILING DATE: C-Aug-2003

CLASSIFICATION AUMER: US/09/454,533

FILING DATE: 06-Dec-1999

APPLICATION NUMBER: US/09/454,533

FILING DATE: 06-Dec-1999

APPLICATION NUMBER: US/09/454,66

FILING DATE: US-NOV-1991

APPLICATION NUMBER: US/0667,040

FILING DATE: US-NOV-1991

ATTORNEY/AGENT INFORMATION:

NAME: DUST, BRADFORD J.

REGISTRATION NUMBER: 32,219

REPERRENCE/DOCKET NUMBER: 227/006

TELECOMMUNICATION INFORMATION:

TELEPRAY: 213/955-0440

TELEPRAY: 213/955-0440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Gray, Steven C.
APPLICANT: Costantino, Henry R.
TITLE OF INVENTION: INTRANASAL ADMINISTRATION OF
TITLE OF INVENTION: GLUCOSE-REGULATING PEPTIDES
FILE REPERENCE: 03-14US
CURRENT PILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: 60/532,337
PRIOR PILING DATE: 2003-12-26
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 45
LENGTH: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CNTATCATORLANFLVHSSNNFGPVLPPSNVGSNTY 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 95.0%; Score 192; DB 4; Best Local Similarity 94.4%; Pred. No. 3.5e-19; Matches 34; Conservative 2; Mismatches 0
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 45, Application US/10991597 Publication No. US20050143303A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 40
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                           ZIP: 90017
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
                                           CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-991-597-45
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                                                                                                                                                                                   Sequence 23, Application US/08454533
; Fublication No. US20020187923A1
; GENERAL INFORMATION:
; APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION:
USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   94.6%; Score 191; DB 3; Length 37; 97.3%; Pred. No. 4.9e-19; ive 0; Mismatches 1; Indels
Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERALING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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Search completed: May 12, 2006, 15:37:11 Job time : 165 secs

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Sequence 71, Appl Sequence 80, Appl Sequence 86, Appl Sequence 16, Appl Sequence 17, Appl Sequence 17, Appl Sequence 21, Appl Sequence 21, Appl Sequence 95, Appl Sequence 17, Appl Sequence 17, Appl Sequence 17, Appl Sequence 11, Appl Sequence 110, Appl Sequence 110, Appl Sequence 110, Appl Sequence 111, Appl Sequence 111, Appl Sequence 112, Appl Sequence 112, Appl Sequence 113, Appl Sequence 114, Appl Sequence 94, Appl Sequence 97, Appl Sequence 91, Appl Sequence 100, Appl Sequence 1

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May 12, 2006, 15:34:37; Search time 27 Seconds (without alignments) 64.337 Million cell updates/sec
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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1: /SIDSS/ptodata/2/pubpaa/USOB_NEW_PUB.pepl:*
2: /SIDSS/ptodata/2/pubpaa/USOB_NEW_PUB.pep:*
3: /SIDSS/ptodata/2/pubpaa/USOB_NEW_PUB.pep:*
4: /SIDSS/ptodata/2/pubpaa/USOB_NEW_PUB.pep:*
5: /SIDSS/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
6: /SIDSS/ptodata/2/pubpaa/USOB_NEW_PUB.pep:*
7: /SIDSS/ptodata/2/pubpaa/USOB_NEW_PUB.pep:*
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9: /SIDSS/ptodata/2/pubpaa/USOB_NEW_PUB.pep:*
10: /SIDSS/ptodata/2/pubpaa/USOB_NEW_PUB.pep:*
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11: /SIDSS/ptodata/2/pubpaa/USOI_NEW_PUB.pep:*
11: /SIDSS/ptodata/2/pubpaa/USOI_NEW_PUB.pep:*
     GenCore version 5.1.8 (c) 1993 - 2006 Biocceleration Ltd.
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                                                                     US-08-870-762B-1
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1 KCMTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
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US-11-055-093-69

US-11-055-093-92

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US-11-055-093-93

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US-11-055-093-84

US-11-055-093-84

US-11-055-093-86

US-11-055-093-86

US-11-055-093-89

US-11-055-093-89

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US-11-055-093-89
                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                   250354 seqs, 46948837 residues
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                                                                                                                                                                    Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries
                              protein search, using sw model
                                                                                                BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                               length: 0
length: 2000000000
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Sequence 37, Appl Sequence 203, App Sequence 213, Appl Sequence 213, Appl Sequence 112, App Sequence 112, App Sequence 111, App Sequence 214, App Sequence 215, Appl Sequence 25, Appl Sequence 216, Appl Sequence 116, App Sequence 116, App Sequence 116, App Sequence 117, App Sequence 113, App Sequence 113, App Sequence 24, Appl Sequence 24, Appl Sequence 26, Appl Sequence 26, Appl Sequence 26, Appl Sequence 27, Appl Sequence 27, Appl Sequence 27, Appl Sequence 28, Appl Sequence 25, Appl Sequence 25, Appl Sequence 26, Appl Sequence 21, Appl Sequence 23, Appl Sequence 24, Appl Sequence 24, Appl Sequence 24, Appl Sequence 26, Appl Sequence

Sequence 34, Appl Sequence 16, Appl Sequence 12, Appl Sequence 18, Appl Sequence 30, Appl Sequence 1, Appli Sequence 2, Appli Sequence 2, Appli

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Sequence 75, Application US/11055093
; Sequence 75, Application US/11055093
; Publication No. US20060094652A1
; GENERAL INFORMATION:
; APPLICANT: LEVY, ODILE ESTHER
; APPLICANT: JEWIS, DIAMA Y.
; APPLICANT: JEWIS, DIAMA Y.
; APPLICANT: SOARES, CHRISTOPHER J.
; APPLICANT: BOSOUSA, LAWRENCE
; APPLICANT: PARKES, DAVID
; PRICANT: PLING DATE: 2005-02-11
; RUMBER OF SEQ ID NOS: 288
; SEQ ID NO 75
; LENGTH: 37
; WUMBER OF SEQ ID NOS: 288
; SEQ ID NO 75
; LENGTH: 37
; WUMBER OF SEQ ID NOS: 288
; SEQ ID NO 75
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i Sequence 92, Application US/11055093

j Sequence 92, Application US/11055093

j Bublication No. US20060094652A1

j GENERAL INFORMATION:
    APPLICANT: LEWY, ODILE ESTHER

j APPLICANT: JODKA, CARGIYN M.
    APPLICANT: JODKA, CARGIYN M.
    APPLICANT: GHOSH, SOUMITRA S.
    APPLICANT: GHOSH, SOUMITRA S.
    APPLICANT: PARKES, DAVID

    APPLICANT: PARKES, DAVID

    APPLICANT: PARKES, US-11/055,093

    CURRENT APPLICATION NUMBER: US/11/055,093

    CURRENT PILING DATE: 2005-02-11

    PRIOR APPLICATION NUMBER: 60/543,407

    PRIOR APPLICATION NUMBER: 60/543,407

    PRIOR APPLICATION NUMBER: 60/543,407

    PRIOR PILING DATE: 2004-02-11

    NUMBER OF SEQ ID NOS: 288

    SOFTWARE: PATENTIN Ver. 3.3

    LENGTH: 37
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                                                                           Query Match 99.5%; Score 201; DB 10; Length 37; Best Local Similarity 97.3%; Pred. No. 1.5e-22; Matches 36; Conservative 1; Mismatches 0; Indels
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Pred. No. 1.5e-22;
1; Mismatches 0; Indels
                                                                                                                                                                                                     1 KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
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                                                                                                                                                                            1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 97.3%;
Matches 36; Conservative
       ; ORGANISM: Homo sapiens
US-11-055-093-69
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ORGANISM: Homo sapiens
US-11-055-093-75
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                                                    Sequence 31, Appl
Sequence 35, Appl
Sequence 33, Appl
Sequence 12, Appl
     Sequence 27,
Sequence 29,
Sequence 31,
Sequence 35,
Sequence 33,
                                                                                                                                                                                                                                                                                                                                                                        JOURNEAU INFOURMENTION:
JAPPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JOURA, CAROLYN M.
APPLICANT: JOURA, CAROLYN M.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GOARES, CHRISTOPHER J.
APPLICANT: GOARES, CHRISTOPHER J.
APPLICANT: GAGNES, CHRISTOPHER J.
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYPRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528 740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT APPLICATION NUMBER: 2005-02-11
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PATENTIN VET: 3.3
SEQ ID NO 67
LENGHH: 37
LENGHH: 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: HANLEY, ODILE ESTHER
APPLICANT: HANLEY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: HOUGA, CAROLYN M.
APPLICANT: JUDICA, CAROLYN M.
APPLICANT: GONDA, CAROLYN M.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GONDATA, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528.740
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR PILING DATE: 2004-02-11
PRIOR SPLING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PACENTIN VET: 3.3
LEMOTH: 37
TYPE: PRI
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100.0%; Pred. No. 1.1e-22;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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US-11-055-093-27
US-11-055-093-29
US-11-055-093-31
US-11-055-093-35
US-11-055-093-33
US-11-055-093-33
                                                                                                                                                                                                ALIGNMENTS
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                                                                                                                                                                                                                                                                                                                 Sequence 67, Application US/11055093
Publication No. US20060094652A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 37; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION
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Length 37;

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Sequence 91, Application US/11055093
Fublication No. US20060094652A1
GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: LEWIS, DIANA Y.
APPLICANT: GENGE, CHRISTOPHER J.
APPLICANT: GENGE, COUNTIRA S.
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528 740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT FILING DATE: 2005-02-11
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SSEQ ID NOS: 288
SSEQ ID NO 91
LUNCH OF THE NO 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96.5%; Score 195; DB 10; Length 37; 94.6%; Pred. No. 1.1e-21; tive 1; Mismatches 1; Indels
                                                                                                                                                             Score 195; DB 10; Length 3
Pred. No. 1.1e-21;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                        1 KCNTATCATQRLANFLVHSSNNLGPVLPPTNVGSNTY 37
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Publication No. US20060079448A1
GENERAL INFORMATION:
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APPLICANT: Erlandsson, Rikard
APPLICANT: Frisen, Jonas
APPLICANT: Haegerstrand, Anders
APPLICANT: Haegerstrand, Anders
APPLICANT: Hallstrom, Kristina
APPLICANT: Hagblad, Johan
APPLICANT: Jansson, Katarina
APPLICANT: Lindquist, Per
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         McGuire, Jacqueline
                                                                                                                                                             Query Match
Best Local Similarity 94.6%;
Matches 35; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kortesman, Jarkko
Lindquist, Per
Lundh, Hanna
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ossoinak, Amina
Patrone, Cesare
Ronnholm, Harriet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 94.6
Matches 35, Conservative
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                                      ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-055-093-85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
CORGANISM: Homo sapiens
US-11-055-093-91
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            LENGTH: 37
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APPLICANT:
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APPLICANT:
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Publication No. US20060094652A1

SEQUENCE TV. Application US/11055093

Publication No. US20060094652A1

APPLICANT: LEVY, ODILE ESTHER

APPLICANT: JODKA, CARGLYN M.

APPLICANT: JODKA, CARGLYN M.

APPLICANT: GOARES, CHRISTOPHER J.

APPLICANT: GOARES, CHRISTOPHER J.

APPLICANT: PARKES, DAVID

APPLICANT: PARKES, DAVID

TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES

FILE REFERENCE: 1852 740

CURRENT APPLICATION NUMBER: US/11/055,093

CURRENT PILIAG DATE: 2005-02-11

PRIOR FILIAG DATE: 2004-02-11

NUMBER OF SEQ ID NOS: 288

SEQ ID NO 74

LENGTH: 36

LENGTH: 36
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Publication No. US20060094652A1

GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: GENES, CHRISTOPHER J.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: BOSOUZA, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, USOUZA, LAWRENCE
APPLICANT: WARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: WARKES, WARKE
                                                                                                                                                                                          Gaps
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                                                                                                                          Score 201; DB 10; Length 37;
Pred. No. 1.5e-22;
1; Mismatches 0; Indels
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100.0%; Pred. No. 5.4e-22;
tive 0; Mismatches 0;
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                                                                                                                       Query Match
Best Local Similarity 97.3%;
Matches 36; Conservative 1
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Best Local Similarity 100.0
Matches 36; Conservative
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SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 85
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-055-093-92
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; ORGANISM: Homo sapiens
US-11-055-093-74
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US-11-055-093-74
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Gaps

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Sequence 73, Application US/11055093; Publication No. US20060094652A1; GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JODKA, CAROLYN M.
                                                                                                                                                                                                                                                                                                                                                                                                                                   96.0%;
ilarity 97.3%;
Conservative
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; ORGANISM: Homo sapiens
US-11-055-093-83
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US-11-055-093-93
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Best Local Similarity
Matches 36; Conserval
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US-11-055-093-73
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Sequence 72, Application US/11055093
Publication No. US20660094652A1
GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: DORAS, CARGINY M.
APPLICANT: GHOSH, SOUNITRA S.
APPLICANT: GHOSH, SOUNITRA S.
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: MACK, CHRISTIONE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528-740
CURRENT APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
PRIOR PELING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SEQ ID NO 72:
LENGTH: 37
                APPLICANT: Zachrisson, Olof
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR INCREASING NEUROGENESIS
FILE REPRENENT ON: COMPOUNDS AND METHODS FOR INCREASING NEUROGENESIS
CURRENT APPLICATION NUMBER: US/11/288,495
CURRENT FILING DATE: 2005-11-28
PRIOR PILING DATE: 2003-11-20
PRIOR FILING DATE: 2003-11-20
NUMBER OF SEQ ID NOS: 66
SOFTWARE: Patentin version 3.3
SEQ ID NO 34
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Sequence 83, Application US/11055093

Publication No. US20060094652A1

GENERAL INFORMATION:

APPLICANT: LEVY, ODILE ESTHER

APPLICANT: HANLEY, MICHAEL R.

APPLICANT: JODKA, CAROLYN M.

APPLICANT: LEWIS, DIANA Y.
Wikstrom, Lillian
                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
US-11-055-093-72
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APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT FILING DATE: 2005-02-11
PRIOR PRILAGICATION NUMBER: 60/543,407
PRIOR PRILAGICATION NUMBER: 60/543,407
NUMBER OF SEQ ID NOS: 288
SSOUTHARE: PATENTIN VOIL 3.3
IENGTH: 37
TYPE: ...
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| Sequence 93, Application US/11055093
| Sequence 93, Application US/11055093
| Publication No. US20060094652A1
| GENERAL INPORMATION:
| APPLICANT: LEWY, ODILE BSTHER
| APPLICANT: LEWY, ODILE BSTHER J.
| APPLICANT: GOARE, CAROLYN M.
| APPLICANT: GOARE, CAROLYN M.
| APPLICANT: BARKES, DAVID
| APPLICANT: PARKES, DAVID
| APPLICANT: WACK, CHRISTINE M.
| APPLICANT: PARKES, DAVID
| APPLICANT: LEWSTHON: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
| FILE REFERENCE: 18528.740
| CURRENT APPLICATION NUMBER: US/11/055,093
| CURRENT PLING DATE: 2004-02-11
| PRIOR FILING DATE: 2004-02-11
| PRIOR PLING DATE: 2004-02-11
| SEQ ID NO 93
| SEQ ID NO 93
| LENGTH: 36
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Pred. No. 1.5e-21;
0; Mismatches 1; Indels
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94.1%; Score 190; DB 10; Length 36;
Best Local Similarity 94.4%; Pred. No. 5.7e-21;
Matches 34; Conservative 1; Mismatches 1; Indels
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APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: WACK, CHISTIEM M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528.740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT PILING DATE: 2005-02-11
PRIOR PELLING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PATENTIN VET. 3.3
SEQ ID NO 89
LENGTH: 37
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APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REPERENCE: 18528.74
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT FILING DATE: 2005-02-11
PRIOR PELICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
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Pred. No. 1.6e-20;
1; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: LEVY, ODILE ESTHER APPLICANT: HANLEY, MICHAEL R. APPLICANT: JODKA, CAROLYN M. APPLICANT: LEWIS, DIANA Y. APPLICANT: SOARES, CHRISTOPHER J. APPLICANT: GHOSH, SOUMITRA S. APPLICANT: D'SOUZA, LAWRENCE APPLICANT: PREKES, DAVID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 44, Application US/11055093
Publication No. US20060094652A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-11-055-093-86
; Sequence 86, Application US/11055093
; Publication No. US20060094652A1
; GENERAL INFORMATION:
                            LEWIS, DIANA Y.
SOARES, CHRISTOPHER
GHOSH, SOUMITRA S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             92.6%;
         CAROLYN M.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 94.6
Matches 35; Conservative
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SOFTWARE: Patentin Ver. 3.3
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Best Local Similarity 91.9
Matches 34; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Rattus sp
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LENGTH: 37
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APPLICANT: HANLEY, MICHAEL R.
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JEMES, DIANA Y.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUMTRAS S.
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES FILE REFERENCE: 18528 740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT PILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
RRIOR PLILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PALCHINU VET. 3.3
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                                      APPLICANT: GHOSH, SOUMITEA S.
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528.740
CURRENT FILING DATE: 2005-02-11
PRIOR PILING DATE: 2004-02-11
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Pred. No. 7.9e-21;
0; Mismatches 1;
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Sequence 89, Application US/11055093
Publication No. US20060094652A1
GENERAL INFORMATON
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 84, Application US/11055093
Publication No. US20060094652A1
GENERAL INFORMATION:
LEWIS, DIANA Y.
SOARES, CHRISTOPHER J.
GHOSH, SOUMITRA S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     93.6%;
                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 288
SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 73
LENGTH: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 97.29
Matches 35; Conservative
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Best Local Similarity 97.2
Matches 35; Conservative
                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens
US-11-055-093-73
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; ORGANISM: Homo sapiens
US-11-055-093-84
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LENGTH: 36
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US-11-055-093-96
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                    APPLICANT: LEWIS, DIANA Y.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUNITRA S.
APPLICANT: GHOSH, SOUNITRA S.
APPLICANT: GHOSH, LAWRENCE
APPLICANT: PARKES, DAVID
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528 740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT PILLING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR PILLING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: Patentin Ver. 3.3
LENGTH: 37
THENGTH: 37
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Pred. No. 1.6e-20;
1; Mismatches 2; Indels
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US-11-055-093-82
IS-11-055-093-82
Publication US/11055093
GENERAL INFORMATION:
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Best Local Similarity 91.9%;
Matches 34; Conservative
HANLEY, MICHAEL R.
JODKA, CAROLYN M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
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US-11-055-093-70
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Best Local Similarity
Matches 35; Conserva
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APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JODKA, CAROLYN M.
APPLICANT: JODKA, CAROLYN M.
APPLICANT: SOARE, CHRISTOPHER J.
APPLICANT: GOARE, CHRISTOPHER J.
APPLICANT: D'SOUZA, LAWREND S.
APPLICANT: D'SOUZA, LAWREND M.
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REPERBNCE: 18528.740
CURRENT FILING DATE: 2005-02-11
FRICR APPLICATION NUMBER: 60/543,407
PRIOR PILING DATE: 2006-402-11
FRICR APPLICATION SUMBER: 60/543,407
NUMBER OF SEQ ID NOS: 288
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CURRENT APPLICATION NUMBER: 105/11/055,093
CURRENT FILING DESTE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
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Pred. No. 2.2e-20;
0; Mismatches 2; Indels
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Publication No. US20060094652A1
GENBRAL INPORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: GODRA, CAROLYN M.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 20
US-11-055-093-189
Sequence 189, Application US/11055093
; Publication No. US20060094652A1
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Best Local Similarity 94.6%;
Matches 35; Conservative
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SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 96
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US-11-055-093-82
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US-11-055-093-96
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Best Local Similarity
Matches 33; Conserv
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US20060094652A1
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US-11-055-093-88
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LENGTH: 36
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                                                          APPLICANT: JODKA, CAROLYN M.

APPLICANT: JODKA, CAROLYN M.

APPLICANT: SOARES, CHRISTOPHER J.

APPLICANT: GHOSH, SOUNITER S.

APPLICANT: GHOSH, SOUNITER S.

APPLICANT: PARKES, DAVID

APPLICANT: PARKES, DAVID

APPLICANT: PARKES, DAVID

APPLICANT: PARKES, DAVID

TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES

FILE REFERENCE: 18528,740

CURRENT PILING DATE: 2005-02-11

PRIOR PPLICATION NUMBER: 60/543,407

PRIOR PILING DATE: 2004-02-11

NUMBER OF SEQ ID NOS: 288

SOFTWARE: PATENTIN VET: 3.3

LENGTH: 37
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APPLICANT: HANLEY, MICHAEL R.
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JOUGA, CAROLYN M.
APPLICANT: JOUGA, CAROLYN M.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUNITRA S.
APPLICANT: GHOSH, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 1852 740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT APPLICATION NUMBER: 60/543,407
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR PRILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: Patentin Ver. 3.3
LENGTH: 36
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Pred. No. 8.3e-20;
1; Mismatches 2;
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Publication No. US20060094652A1
GENERAL INFORMATION:
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US-11-055-093-71
; Sequence 71, Application US/11055093
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Best Local Similarity 91.7%;
Matches 33; Conservative
                       LEVY, ODILE ESTHER HANLEY, MICHAEL R
                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-055-093-189
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; ORGANISM: Homo sapiens
US-11-055-093-87
GENERAL INFORMATION
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APPLICANT: LEYY, ONILE ESTHER
APPLICANT: LEYY, ONILE ESTHER
APPLICANT: LEWIS, MICHAEL R.
APPLICANT: JODKA, CAROLYN M.
APPLICANT: JODKA, CAROLYN M.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUNTRA S.
APPLICANT: D'SOUZA, LAWRENDE S.
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528.740
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2006-02-11
PRIOR STING DATE: 2006-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PATENTIN OF SERVING DATE: 2005-02-11
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APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528-740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PATENTIN VET: 3.3
SEQ ID NO 90
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Pred. No. 1.7e-19;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: LEVY, ODILE ESTHER APPLICANT: HANLEY, MICHAEL R. APPLICANT: JODKA, CAROLYN M. APPLICANT: LEWIS, DIANA Y. APPLICANT: SOARES, CHRISTOPHER J. APPLICANT: GOORES, LAWRENCE APPLICANT: P. SOUZA, LAWRENCE APPLICANT: P. SOUZA, LAWRENCE APPLICANT: PARKES, DAVID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 90, Application US/11055093; Publication No. US20060094652A1; GENERAL INFORMATION:
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CORGANISM: Homo sapiens
US-11-055-093-71
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; ORGANISM: Homo sapiens
US-11-055-093-90
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Best Local Similarity
Matches 34; Conserv
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GENERAL INFORMATION:
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                                                   APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JONGA, CAROLYN M.
APPLICANT: JONGA, CAROLYN M.
APPLICANT: JONGA, CAROLYN M.
APPLICANT: JONGA, CAROLYN M.
APPLICANT: GAGNES, CHRISTOPHER J.
APPLICANT: GAGNES, CHRISTOPHER J.
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
APPLICANT: MACK, CHRISTINE M.
APPLICANT: MACK, CHRISTINE M.
APPLICANT: MACK, CHRISTINE M.
APPLICANT: PARKES, DAVID
CURRENT PAPLICATION NUMBER: US/11/055,093
FILE REPERENCE: 1852 740
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR PRILICA DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SEQ ID NO 88
SEQ ID NO 88
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APPLICATION AND MOOTO
APPLICANT: MINAMINO NAOTO
TILE REPERENCE: 62273(71526)
CURRENT APPLICATION NUMBER: US/10/516,768
CURRENT APPLICATION NUMBER: US/10/516,768
CURRENT APPLICATION NUMBER: US/203-06-04
PRIOR APPLICATION NUMBER: DCT/JP03/06641
PRIOR APPLICATION NUMBER: DCT/JP03/06641
PRIOR PILING DATE: 2003-05-28
PRIOR PILING DATE: 2002-06-04
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PATCHING UNCS: 53
SEQ ID NO S: 54
LENGTH: 37
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Pred. No. 2.3e-19;
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91.9%; Pred. No. 3.3e-19;
iive 0; Mismatches 3
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Sequence 88, Application US/11055093
Publication No. US20060094652A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 25
US-10-516-768-26
Sequence 26, Application US/10516768
Publication No. US20050256302A1
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US-11-055-093-45
'Sequence 45, Application US/11055093
'Publication No. US20060094652A1
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ORGANISM: Homo sapiens
US-11-055-093-88
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Best Local Similarity
Matches 33; Conserva
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Best Local Similarity
Matches 34; Conserv
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                                                     APPLICANT: LEWIS, DIANAY.

APPLICANT: SORRES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528.740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT APPLICATION NUMBER: 060543,407
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PATENTIN Ver. 3.3
SEQ ID NO 45
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 178; DB 10; Length 37; Pred. No. 3.3e-19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KCNTATCATQRLANFLVHSSNNFGAILSSTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 22, Application US/11033105A; Publication No. US20060045853A1; GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JODKA, CAROLYN M.
APPLICANT: LEWIS, DIANA Y.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUMITRA S.
                                                                                                                                                                                                                                                                                                                                                                                                                                              88.1%;
91.9%;
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Matches 34; Conservative
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ORGANISM: Homo sapiens
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FILE REFERENCE: 21882-517 CIP
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SOFTWARE: PatentIn Ver. 3.3
SEQ ID NO 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 91.9
Matches 34; Conservative
                                                                                                                                                                                                                                               ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-288-495-35
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; ORGANISM: Homo sapiens
US-11-145-463-93
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APPLICANT: Wistrom, Lillian
APPLICANT: Wistrom, Lillian
APPLICANT: Wastrom, Lillian
APPLICANT: Wastrom, Lillian
APPLICANT: Wastrom, Lillian
APPLICANT: Zachrisson, Olof
ITILE OF INVENTY APPLICATION: COMPOUNDS AND METHODS FOR INCREASING NEUROGENESIS
FILE REFERENCE: 21882-517 CIP
CURRENT FILING DATE: 2005-11-28
PRIOR PLICATION NUMBER: US 60/427,912
PRIOR PLICATION NUMBER: US 60/427,912
PRIOR PLICATION NUMBER: US 60/427,912
PRIOR PLICATION STEED NOS: 66
SEQ ID NOS: 66
SEQ ID NO 7
LENGTH: 37
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TITLE OF INVENTION: COMPOUNDS AND METHODS FOR INCREASING NEUROGENESIS
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Pred. No. 3.3e-19;
0; Mismatches 3; Indels
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Publication No. US20060079448A1
GENERAL INFORMATION:
                                                 APPLICANT: Bertilsson, Goran
APPLICANT: Bertilsson, Goran
APPLICANT: Erlandsson, Rikard
APPLICANT: Frisen, Jones
APPLICANT: Haggerstrand, Anders
APPLICANT: Heidrich, Jessica
APPLICANT: Heidrich, Johan
APPLICANT: Heidrich, Johan
APPLICANT: Haggblad, Johan
APPLICANT: Lindquist, Per
APPLICANT: Lindquist, Per
APPLICANT: Lindquist, Per
APPLICANT: Lindquist, Agarina
APPLICANT: McGuire, Jacqueline
APPLICANT: McGuire, Jacqueline
APPLICANT: McGuire, Jacqueline
APPLICANT: McGuire, Amina
APPLICANT: Patrone, Cesare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Bertilsson, Goran
APPLICANT: Erlandsson, Rikard
APPLICANT: Frisen, Jonas
APPLICANT: Hegerstrand, Anders
APPLICANT: Heidrich, Jessica
APPLICANT: Heilstrom, Kristina
APPLICANT: Haggland, Johan
APPLICANT: Jansson, Katarina
APPLICANT: Jindquist, Per
              Sequence 7, Application US/11288495
Publication No. US20060079448A1
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Mercer, Alex
Nyberg, Karl
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Best Local Similarity 91.9%;
Matches 34; Conservative
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Wikstrom, Lillian
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Patrone, Cesare
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -11-288-495-35
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US-11-145-463-93

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(Sequence 93, Application US/11145463)

(Sequence 93, Application US/11145463)

(Sequence 93, Application US/11145463)

(Sequence 93, Application US USO060052301A1)

(GENERAL INFORMATION:

(TITLE OF INVENTION: Y AND AMYLIN, AND USES THEREOF

(TITLE OF INVENTION: Y AND AMYLIN, AND USES THEREOF

(TITLE OF INVENTION: Y AND AMYLIN, AND USES THEREOF

(TITLE OF INVENTION: UNMER: US/11/145,463)

(CURRENT APPLICATION NUMBR:: US 60/576,414

(PRIOR FILING DATE: 2004-06-03

(PRIOR FILING DATE: 2005-04-20

(NUMBER OF SEQ ID NOS: 124

(SOFTWARE: Patentin version 3.3)

(SEQ ID NO 93)
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| Publication No. US20060057671A1
| GENERAL INFORMATION:
| APPLICANT: ORSER, CINDY S. | APPLICANT: PAN, TAO | TITLE OF INVENTION: IMMOBILIZED PROBES AND METHODS OF DETECTING | TITLE OF INVENTION: CONFORMATIONALLY ALTERED PRION PROTEINS | FILE REPERENCE: ADL-102
                                                                                                                                                                                                                                                                                                                                                                                      Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 178; DB 11; Length 89;
Pred. No. 8.8e-19;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                         3; Indels
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Pred. No. 3.3e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
CURRENT APPLICATION NUMBER: US/11/288,495
CURRENT FILING BATE: 2005-11-28
FRIOR APPLICATION NUMBER: US 10/718,071
PRIOR PILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: US 60/427,912
PRIOR FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 66
SOFTWARE: Patentin version 3.3
SEQ ID NO 35
LENGTH: 37
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91.9%;
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Best Local Similarity 91.9%;
Matches 34; Conservative
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APPLICANT: Hubert K ster
APPLICANT: Daniel Paul Little
APPLICANT: Subain Mahmood Siddiqi
APPLICANT: Subramaniam Mahmood Siddiqi
APPLICANT: Subramaniam Marappan
APPLICANT: Subramaniam Marappan
APPLICANT: Subramaniam Marappan
APPLICANT: Ping Vip
TITLE OF INVENTION: Capture Compounds, Collections Thereof
TITLE OF INVENTION: Capositions
TITLE OF INVENTION: Compositions
FILE REFERENCE: 24743-2308
FILE REFERENCE: 24743-2308
FILE REFERENCE: 2004-01-16
FRIOR APPLICATION NUMBER: US/10/760,085
CURRENT FILING DATE: 2004-01-16
FRIOR FILING DATE: 2003-01-16
NUMBER OF SEQ ID NOS: 149
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8
LENGTH: 37
                                                                                                                                                                                                                                                                     Sequence 77, Application US/11055093

Publication No. US2006094652A1

Sequence 77, Application US/11055093

Publication No. US20060094652A1

SEREMATION:
APPLICANT: LEVY, ODILE ESTHER

APPLICANT: JONGA, CAROLYN M.
APPLICANT: GORES, CHRISTOPHER J.
APPLICANT: GORES, CHRISTOPHER J.
APPLICANT: GORES, CHRISTOPHER J.
APPLICANT: GORES, CHRISTOPHER J.
APPLICANT: GORES, CHRISTINE M.
APPLICANT: GORES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18628.740

CURRENT APPLICATION NUMBER: US/11/055,093

CURRENT APPLICATION NUMBER: 2005-02-11

PRIOR FILING DATE: 2006-02-11

NUMBER OF SEQ ID NOS: 288

SEQ ID NO 77

LEMORY: 3.3
                                                               Gaps
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                  Length 36;
                                                                 Indele
             Score 173; DB 10;
Pred. No. 1.7e-18;
0; Mismatches 3;
                                                                                                                                                              1 CNTATCATORLANFLVHSSNNFGAILSSTNVGSNTY 36
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Publication No. US20060051879A9
GENERAL INFORMATION:
          Query Match
Best Local Similarity 91.7%;
Matches 33; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens
US-11-055-093-77
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ORGANISM: Homo Sapien
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US-10-760-085-8
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Fublication No. US20060052301A1

GENERAL INFORMATION:

APPLICANT: SHEMESH, Ronen

ITILE OF INVENTION: SPLICE VARIANTS OF PEPTIDE YY, NEUROPEPTIDE Y, PANCREATIC PEPTIDE

TITLE OF INVENTION: Y AND AMYLIN, AND USES THEREOF

FILE REPERENCE: B5189-9000

CURRENT APPLICATION NUMBER: US 60/576,414

PRIOR APPLICATION NUMBER: US 60/576,414

PRIOR PELING DATE: 2004-06-03

PRIOR PLING DATE: 2004-06-03

FRIOR FILING DATE: 2005-04-20

NUMBER OF SEQ ID NOS: 124

SEQ ID NO 95

LENGTH: 103

LENGTH: 103
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JAPPLICANT: HANLEY, MICHAEL R.
JAPPLICANT: HANLEY, MICHAEL R.
JAPPLICANT: HANLEY, MICHAEL R.
JAPPLICANT: JORA, CANGLYN M.
JAPPLICANT: GOARE, CHRISTOPHER J.
JAPPLICANT: GOARE, CHRISTOPHER J.
JAPPLICANT: GOARE, CHRISTOPHER J.
JAPPLICANT: GARES, CHRISTINE M.
JAPPLICANT: MACK, CHRISTINE M.
JAPPLICANT: JOS. 2005-02-11
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PALENTIN VEY: 3.3
SEQ ID NO 68
LENGTH: 36
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                                                                                                      88.1%; Score 178; DB 11; Length 89; 91.9%; Pred. No. 8.8e-19; Live 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-11-055-093-68
Sequence 68, Application US/11055093
Publication No. US20060094652A1
GENERAL INFORMATION:
                                                                                                    Query Match
Best Local Similarity 91.9
Matches 34; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 91.9
Matches 34; Conservative
TYPE: PRT
CRGANISM: Homo sapiens
US-11-030-300-21
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
US-11-055-093-68
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Gaps

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Sequence 95, Application US/11055093

Sequence 95, Application US/11055093

Publication No. US20060094652A1

GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: LEWIS, DIAMA Y.
APPLICANT: CAROLYN M.
APPLICANT: SOARE, CHRISTOPHER J.
APPLICANT: SOARE, CHRISTOPHER J.
APPLICANT: GOOUZA, LARRENCE
APPLICANT: PARKES, DAVID
APPLICANT: MUSERICANION NUMBER: US/11/055,093
CURRENT PILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11

PRIOR FILING DATE: 2004-02-11

NUMBER OF SEQ ID NOS: 288

SEQ ID NO 95
LENGTH: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES FILE REFERENCE: 18528.740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT FILING DESTE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
                                                                    Length 37;
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                                                                                                                 Indels
                                                                 Score 173; DB 10;
Pred. No. 1.7e-18;
0; Mismatches 3;
                                                                                                                                                           2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                          2 CNTATCATQRLANFLVHSSNNFGAILSSTNVGSNTY 37
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91.7%; Pred. No. 3.3e-18;
tive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNT 36
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                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: LEVY, ODILE ESTHER APPLICANT: HANLEY, MICHAEL R. APPLICANT: JODKA, CAROLYN M. APPLICANT: LEWIS, DIANA Y. APPLICANT: GARSH, SOUMITRA S. APPLICANT: D'SOUZA, LAWRENCE APPLICANT: PARKES, DAVID
                                                                                                                                                                                                                                                                                                                  ; Sequence 210, Application US/11055093; Publication No. US20060094652A1; GENERAL INFORMATION:
                                                                 Query Match
Best Local Similarity 91.7%;
Matches 33; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MACK, CHRISTINE M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 91.74
Matches 33; Conservative
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SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 210
LENGTH: 36
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; ORGANISM: Homo sapiens
US-11-055-093-210
    ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                             US-11-055-093-210
         ; ORGANISH US-11-055-093-81
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APPLICANT:
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Sequence 81, Application US/11055093

Publication No. US20060094652A1

Sequence 81, Application US/11055093

Publication No. US20060094652A1

SEQUENCE INFORMATION:

APPLICANT: HANLEY, USILE ESTHER

APPLICANT: LEWIS, DIANA Y.

APPLICANT: SOARES, CHRISTOPHER J.

APPLICANT: BOSOUZA, LAWRENCE

APPLICANT: PSOUZA, LAWRENCE

APPLICANT: MACK, CHRISTINE M.

TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES

FILE REFERENCE: 18528.740
                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: SOARE, GHRISTOPHER J.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528.74
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
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                                          Length 37;
                                                                                         4; Indels
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                                                                                                                                 1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                  1 KCNTATCATNRLANFLVHSSNNFGAILSSTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 91.7%; Pred. No. 1.7e-18;
Matches 33; Conservative 0; Mismatches 3;
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                                          85.6%; Score 173; DB 9;
89.2%; Pred. No. 1.7e-18;
tive 0; Mismatches 4
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CURRENT FILING DATE: 2005-02-11
PRIOR PELING DATE: 2005-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 81
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                   APPLICANT: LEVY, ODILE ESTHER APPLICANT: HANLEY, MICHAEL R. APPLICANT: JODKA, CAROLYN M. APPLICANT: EWA'S, DIANA Y. APPLICANT: GOARES, CHRISTOPHER J. APPLICANT: GHOSH, SOUMITRA S. APPLICANT: D'SOUZA, LAWRENCE APPLICANT: PARKES, DAVID
                                                                                                                                                                                                                                                                                          Sequence 78, Application US/11055093
Publication No. US20060094652A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 288
SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 78
LENGTH: 37
                                        Query Match
Best Local Similarity 89.2°
Matches 33; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                   US-11-055-093-78
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US-10-760-085-8
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Gaps

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; LENGTH: 37
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-055-093-102
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US-11-055-093-211
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Bublication No. US20060094652A1

GENERAL INFORMATION:

APPLICANT: HANLEY, ODILE ESTHER

APPLICANT: HANLEY, ODILE ESTHER

APPLICANT: JONGK, CAROLYN M.

APPLICANT: GONES, CHRISTOPHER J.

APPLICANT: GONES, CHRISTOPHER J.

APPLICANT: GONES, CHRISTOPHER J.

APPLICANT: GONES, CHRISTOPHER J.

APPLICANT: PARKES, DAVID

CURRENT PRICE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES

FILE REFERENCE: 1852-740

CURRENT APPLICATION NUMBER: C05-02-11

PRIOR FILING DATE: 2004-02-11

PRIOR FILING DATE: 2004-02-11

NUMBER OF SEQ ID NOS: 288

SOFTWARE: Patentin Ver. 3.3

SEQ ID NO 102
                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JOBAK, CARCLYN M.
APPLICANT: JOBAK, CARCLYN M.
APPLICANT: SOARES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUTHIRA S.
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
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                                                                                              Score 170; DB 10; Length 37;
Pred. No. 4.8e-18;
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89.2%; Pred. No. 6.6e-18;
tive 0; Mismatches 4; Indels
                                                                                                                                            4; Indels
                                                                                                                                                                                                                   1 KCNTATCATQRLANFLIRSSNNLGAVLSPTNVGSNTY 37
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                                                                                                                                                                                      1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                         Query Match

84.2%; Score 170; DB
Best Local Similarity 83.8%; Pred. No. 4.8e
Matches 31; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 18528.740
CURRENT PAPPLICATION NUMBER: US/11/055,093
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR PILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PALENTIN US: 33.3
                                                                                                                                                                                                                                                                                                                         US-11-055-093-79; Application US/11055093; Publication No. US20060094652A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 89.2
Matches 33, Conservative
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-055-093-95
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CORGANISM: Homo sapiens
US-11-055-093-79
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; Publication No. US20060094652A1
; GENERAL INFORMATION:
; APPLICANT: LEVY, ODILE ESTHER
; APPLICANT: LEWIS, DIANA Y.
; APPLICANT: JODKA, CAROLYN M.
; APPLICANT: SOURTRA S.
; APPLICANT: D'SOUZA, LAWRENC S.
; APPLICANT: PARKES, DAVID
; APPLICANT: PARKES, DAVID
; APPLICANT: PARKES, DAVID
; APPLICANT: PARKES, DAVID
; APPLICANT: MYENID POLYPEPTIDES WITH SELECTABLE PROPERTIES
; APPLICANT: MYENID POLYPEPTIDES WITH SELECTABLE PROPERTIES
; APPLICANT: MYENID POLYPEPTIDES WITH SELECTABLE PROPERTIES
; APPLICANT: MOURBER: 60/543,407
; TITLE REFERENCE: 18528.740
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 60/543,407
; NUMBER OF SEQ ID NOS: 288
; SOFTWARE: PATENTIN Ver. 3.3
; SEQ ID NO 21:
                                                             Gaps
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TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 18528.740
CURRENT APPLICATION WHBER: US/11/055,093
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2084-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PATCHTIN Ver. 3.3
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  Score 169; DB 10; Length 37;
Pred. No. 6.6e-18;
2; Mismatches 4; Indels
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Query Match
Best Local Similarity 83.8%;
Matches 31; Conservative
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US-11-055-093-211
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Gaps

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Indels

Length 37;

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APPLICANT: JODKA, CAROLYN M.
APPLICANT: JODKA, CAROLYN M.
APPLICANT: LEWIS, DIANA Y.
APPLICANT: JODKA, CARRES, CHRISTOPHER J.
APPLICANT: GHOSH, SCUNITRA S.
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: PSOUZA, LAWRENCE
APPLICANT: PACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REPERENCE: 18528-740
CURRENT APPLICATION NUMBER: 00/11/055,093
CURRENT FILING DATE: 2006-02-11
PRIOR PILING DATE: 2006-02-11
PRIOR PILING DATE: 2006-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PATENTI VET: 3.3
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APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JODKA, CAROLYN M.
APPLICANT: JEMIS, DIANA Y.
APPLICANT: GORES, CHRISTOPHER J.
APPLICANT: GHOSH, SOUMITEA S.
APPLICANT: GHOSH, SOUMITEA S.
APPLICANT: PRAKES, DAVID
APPLICANT: PRAKES, DAVID
APPLICANT: PRAKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REPERENCE: 18528.74
CURRENT APPLICATION NUMBER: US/11/055,093
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86.5%; Pred. No. 1.4e-16;
ative 0; Mismatches 5;
                                                                                                                                                                                                                             Score 162; DB 10;
Pred. No. 6.9e-17;
0; Mismatches 4;
                                                                                                                                      OTHER INFORMATION: 2,7-Cyclo bridge US-11-055-093-76
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 80, Application US/11055093
Publication No. US20060094652A1
GENERAL INFORMATION:
APPLICANT: LEVY, ODILE SETHER
APPLICANT: HANLEY, MICHAEL R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 97, Application US/11055093; Publication No. US20060094652A1; GENERAL INFORMATION:
                                                                                                                                                                                                                           Query Match
Best Local Similarity 89.2%;
Matches 33; Conservative
       SOFTWARE: PatentIn Ver. 3.3
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Best Local Similarity 86.5
Matches 32; Conservative
                                                                               TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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                              SEQ ID NO 76
LENGTH: 37
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                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 94, Application US/11055093

Publication No. USZ0060094652A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: JODKA, CAROLYN M.
APPLICANT: JODKA, CAROLYN M.
APPLICANT: GOSH, SOUMITRA S.
APPLICANT: GOSH, SOUMITRA S.
APPLICANT: PARKES, DAVID
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
FILE REFERENCE: 185287740
CURRENT APPLICATION NUMBER: US/11/055,093
CURRENT APPLICATION NUMBER: 005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR PELING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PARENTIN VET: 3.3
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CURRENT APPLICATION NUMBER: US/11/055,093

CURRENT FILING DATE: 2005-02-11
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                                                                                                                                                82.2%; Score 166; DB 10; Length 37; 83.8%; Pred. No. 1.8e-17; ive 2; Mismatches 4; Indels
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Pred. No. 5e-17;
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Publication No. US20060094652A1
GENERAL INPORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: GONCA, CAROLYM M.
APPLICANT: GONCA, CAROLYM M.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: GHOSH, SOUMITRA S.
APPLICANT: D'SOUZA, LAWRENCE
APPLICANT: PARKES, DAVID
APPLICANT: MACK, CHRISTINE M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
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Best Local Similarity 83.8*;
Matches 31; Conservative
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                                              TYPE: PRT
ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-11-055-093-94
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SEQ ID NO 101
LENGTH: 37
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LENGTH: 37
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TYPE: PRT
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US-11-055-093-99

Sequence 99, Application US/11055093

Publication No. USZ0060094652A1

GENERAL INFORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: GORKE, CARCLYN M.
APPLICANT: GORKE, CARCLYN M.
APPLICANT: GORKE, CARCLYN M.
APPLICANT: GORKE, CHRISTOPHER J.
APPLICANT: DANRE, DANN Y.
APPLICANT: DANRES, DANID
APPLICANT: USCOUNTER M.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
TILE OF INVENTION: HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES
CURRENT APPLICATION NUMBER: 105/11/055,093
CURRENT FILING DATE: 2006-02-11
PRIOR FILING DATE: 2006-02-11
PRIOR FILING DATE: 2006-02-11
PRIOR FILING DATE: 2006-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: PATENTIN Ver. 3.3
LEMOTH. 2. 26
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| Publication No. US20060094652A1
| Publication No. US20060094652A1
| Publication No. US2006009465A1
| Publication No. US2006009465A1
| APPLICANT: HANLEY, ODILE ESTHER
| APPLICANT: HANLEY, MICHAEL R. APPLICANT: LEWIS, DIANA Y. APPLICANT: SOARES, CHRISTOPHER J. APPLICANT: BO'SOUZA, LAWRENCE APPLICANT: PARKES, DAVID
| APPLICANT: PARKES, DAVID
| APPLICANT: PARKES, DAVID
| APPLICANT: PARKES, US/11/055,093
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PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 97
LENGTH: 37
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Best Local Similarity 80.6
Matches 29; Conservative
                                                                                                                                         TYPE: PRT; ORGANISM: Homo sapiens
US-11-055-093-97
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CRGANISM: Homo sapiens
US-11-055-093-99
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CURRENT APPLICATION NUMBER: 005-02-11
PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: Patentin Ver. 3.3
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                                                                                                                                                                                                                                                                       75.7%; Score 153; DB 10; Length 37; ilarity 78.4%; Pred. No. 1.4e-15; Conservative 2; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                1 KCNTATCATORLINFLYHSSHNLGAASLPTDVGSNTY 37
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PRIOR APPLICATION NUMBER: 60/543,407
PRIOR FILING DATE: 2004-02-11
PRIOR FILING DATE: 2004-02-11
NUMBER OF SEQ ID NOS: 288
SOFTWARE: Patentin Ver. 3.3
SEQ ID NO 98
LENGTH: 37
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Publication No US20060094652A1
GENERAL INPORMATION:
APPLICANT: LEVY, ODILE ESTHER
APPLICANT: HANLEY, MICHAEL R.
APPLICANT: JONCA, CAROLYN M.
APPLICANT: GONCA, CAROLYN M.
APPLICANT: GONCA, CAROLYN M.
APPLICANT: GONCA, LAWRENCE
APPLICANT: GONCA, LAWRENCE
APPLICANT: MACK, CHRISTINE M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Search completed: May 12, 2006, 15:37:44 Job time: 28 secs
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CRGANISM: Homo sapiens
US-11-055-093-100
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US-11-055-093-98
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Best Local Similarity
Matches 29; Conserv
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          GenCore version 5.1.8
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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202
1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
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Maximum DB 8
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No.
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A; Molecule type: protein
A; Residues: 38-74 <ASA>
A; Residues: 38-74 <ASA>
A; Residues: 38-74 <ASA>
A; Cross-references: UNIPPARC:UPI000003519C
A; Cross-references: UNIPPARC:UPI000003519C
R; Betsholtz, C.; Christmansson, L.; Engstroem, U.; Rorsman, F.; Svensson, V.; Johnson, K
FEBS Lett. 251, 261-264, 1989
A; Title: Sequence divergence in a specific region of islet amyloid polypeptide (IAPP) ex
A; Reference number: S05037; MUID:89325677; PMID:2666169
A; Accession: S05038
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A, Note: the authors found both the full length protein and a short form in the pancreas
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Biochem. Biophys. Res. Commun. 169, 788-795, 1990
A;Title: Regional distribution and molecular forms of rat islet amyloid polypeptide.
A;Reference number: A35481; MUID:90290528; PMID:2357234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                       A;Title: Isolation and sequence determination of rat islet amyloid polypeptide A;Reference number: A33426; MUID:90026410; PMID:2679555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          insulinoma amyloid protein - Chinese hamster
C;Species: Cricetulus griseus (Chinese hamster)
C;Date: 07-Sep_1990 #sequence_revision 07-Sep-1990 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 F;1-23/Domain: signal sequence #status predicted <SIG>
F;4-37/Domain: amino-terminal propeptide #status predicted <PRO1>
F;38-74/Product: insulinoma amyloid protein #status experimental <MAT>
F;76-93/Domain: carboxyl-terminal propeptide #status predicted <PRO2>
F;39-44/Disulfide bonds: #status predicted
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C, Superfamily: calcitonin
C, Keywords: amidated carboxyl end, amyloid, pancreatic islet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A: Cross references: UNIPROT: P19890; UNIPARC: UP100000466B2
C; Superfamily: calcitonin
C; Keywords: amyloid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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91.9%; Pred. No. 1.7e-18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                91.1%; Score 184; DB 2;
89.2%; Pred. No. 1.7e-18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Status: not compared with conceptual translation
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A;Residues: 1-37 <BET>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Molecule type: mRNA
A;Residues: 38-74 <BET>
A;Cross-references: UNIPARC:UP1000003519C
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Matches 33; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Molecule type: protein A;Residues: 56-74 <AS3>
                                                                                                                           A; Accession: A33426
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JUSTICE amyloid polypeptide precursor. rat

N.Alternate names: amyloid polypeptide precursor; diabetes-associated peptide; insulinoma amyloid pro
C.Specias Rattus norvegicus (Norway rat)
C.Specias Rattus anyloid polypeptide: Evilate Rattal Rayloid polypeptide: Structure and upstream sequences of the IAPP gene in A.Reference number: 813566; MulD: 91027936; PMID: 223885
A.A.Cession: 813566; MulD: 91027936; PMID: 223885
A.A.Cession: 813566
A.M.O. Residues: 1-93 «VMN
A.Residues: 1-93 «VMN
A.Reference number: A30312; MULD: 91027936; PMID: 2654937
A.A.Cession: A.A.C. Sci. U.S.A.B. 86, 3127-3130, 1989
A.A.Title: Rat amylin: cloning and tissue-specific expression in pancreatic islets.
A.Reference number: A30312; MULD: 9240689; PMID: 2654937
A.A.Cession: A.B.O. Red. Sci. U.S.A.B. 86, 51327-3130, 1989
A.Reference number: A30312; MULD: 89240689; PMID: 2654937
A.A.Cession: B.S.J. I.S.A.B. 86, 51327-3130, 1989
A.Reference number: A33342; MULD: 89345542; PMID: 2668946
A.A.Title: Conservation of the sequence of islet amyloid polypeptide in five mammals is control type: mRNA
A.Reference number: A33542; MULD: 89345542; PMID: 2668946
A.A.Cession: B33542
A.M.O. Sciller RNNA
A.Residues: 1-93 «LBF
A.A.Cession: B33542
A.M.O. Sciller AMYLOSSOO, NID: 803451390; NID: 3668946
A.A.Cession: B33542
A.M.O. Sciller AMYLOSSOO, NID: 803451390; NID: 804676; PIDN: AAA41359.1; PID:
A.Residues: 1-93 «LBF
A.Resid
                                                                                                                                                                                User amyloid polypeptide precursor - mouse
Nylternate names: insulinoma amyloid protein
Cyspecies: Mus musculus (house mouse)
Cyspecies: Musculus (house mouse)
Rylatile: Chastration of the sequence of islet amyloid polypeptide in five mammals is of A; Reference number: A33542, MUD:89345542; PMID:2668946
A; Reference number: A33542, MUD:89345542; PMID:2668946
A; Reference number: A33542; MUD:89345542; PMID:2668946
A; Residues: 1-93 AMIS,
A; Reference number: S05037; MUD:89325677; PMID:2666169
A; Residues: 38-74 ABET,
A; Residu
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Pred. No. 1.7e-18;
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Best Local Similarity
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A;Title: Molecular and functional characterization of amylin, a peptide associated with A;Reference number: A34499; MUID:90099324; PMID:2690069
A;Accession: A34499; MUID:90099324; PMID:2690069
A;Accession: B0A
A;Residues: 30-89 cR0B
A;Reference number: A26619; MUID:87231921; PMID:303556
A;Accession: A26619
A;Residues: 34-68,'X',70 cWES
A;Cross-references: UNIPARC:UPI000002C9BF
A;Cross-references: UNIPARC:UPI000002C9BF
B;Cooper: GJ.S.; Willis, A.C.; Clark, A.; Turner, R.C.; Sim, R.B.; Reid, K.B.M.
Broc. Natl. Acad. Sci. U.S.A. 84, 8628-8632, 1987
A;Title: Purification and characterization of a peptide from amyloid-rich pancreases of A;Reference number: A39985; MUID:88068642; PMID:3317417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: protein
A; Residues: 34-70 <COO>
A; Residues: 34-70 <COO>
A; Cross-references: UNIPARC:UPI000002B886
R; Makazato, M.; Asai, J.; Myazato, M.; Matsukura, S.; Kangawa, K.; Matsuo, H.
Regul. Pept. 31, 179-186, 1990
A; Title: Isolation and identification of islet amyloid polypeptide in normal human pance.
A; Reference number: A60061; MUID:91219694; PMID:2091067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Cross-references: UNIPARC: UPI0000028886
A; Experimental source: normal pancreas
A; Accession: B60061
A; Accession: B60061
A; Rocieval type: protein
A; Residues: 50-70 < NA2>
A; Cross-references: UNIPARC: UPI0000173498
A; Experimental source: normal pancreas
B; Experimental source: normal pancreas
B; Betsholtz, C.; Svensson, V.; Rorsman, F.; Engstroem, U.; Westermark, G.T.; Wilander, Exp. Cell Res. 183, 464-493, 1989
A; Title: Islet amyloid polypeptide (IAPP): cDNA cloning and identification of an amyloid A; Reference number: A60599; MUID:89356900; PMID:2670595
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A; Status: nucleic acid sequence not shown; not compared with conceptual translation
A; Status: nucleic acid sequence not shown; not compared with conceptual translation
A; Status: nucleic type: mRNA
A; Residues: 1-89 < BET>
A; Cross-references: UNIPARC: UPI000012D0C4
A; Christmanson, L; Rorsman, F; Stenman, G; Westermark, P.; Betsholtz, C.
FBBS Lett. 267, 160-166, 1990
A; Title: The human islet amyloid polypeptide (IAPP) gene. Organization, chromosomal loca
A; Reference number: S10729; MUID:90306394; PMID:2365085
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A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: O.NA
A;Residues: 1-89 CKHR.
A;Cross-references: UNIPARC:UP1000012D0C4
B;van Mansfeld, A.D.M.; Mosselman, S.; Hoeppener, J.W.M.; Zandberg, J.; van Teeffelen, H
Bjochim. Biophys: Acta 1087, 215-240, 1990
A;Title: Islet amyloid polypeptide: structure and upstream sequences of the IAPP gene in
A;Reference number: S13566; MUID:91027936; PMID:2223885
A;Accession: S13567
A;Status: preliminary; translation not shown
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A;Residues: 1-89 «VAN»
A;Cross-references: UNIPARC:UP1000012D0C4; EMBL:X52818; NID:g32589; PIDN:CAA37002.1; PID
R;Mosselman, S.; Hoeppener, J.W.W.; Zandberg, J.; van Mansfeld, A.D.M.; Geurts van Kesse
FEBS Lett. 239, 227-232, 1988
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Molecule type: protein A; Residues: 34-70 < NAK>
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A; Residues: 28-89 <MO2>
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Nathering to manes anylin precursor (validated) - human
Nathering to manes anylin precursor; diabetes associated peptide; insulinoma amyloid procession: Subscients anyling hereuzents and the precursor in the case of t
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Pred. No. 4.4e-18;
2; Mismatches 2;
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Best Local Similarity 89.2%;
Matches 33; Conservative
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us-08-870-762b-1.rpr

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F;70/Modified site: amidated carboxyl end (Tyr) (amide in mature form from following gly
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A56855
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A; Contents: annotation; circular dichroism and NWR studies
C; Comment: This protein is a major component of the islet amyloid deposited in the pance ction as a hormone.
C; Genetics:
A; Genetics:
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A33542

1818t amyloid polypeptide precursor - cat

1818t amyloid polypeptide salvestris catual (domestic cat)

1818t amyloid polypeptide salvestris catual

1818t amyloid polypeptide in the salvestris catual

1818t amyloid polypeptide in five mammals is constituted.

1818t amyloid polypeptide in five mammals is constituted and in the mammals is constituted and in the saquence of islet amyloid polypeptide in five mammals is constituted and in the saquence of islet amyloid polypeptide in five mammals is constituted and in the saquence of islet amyloid polypeptide and islet amyloid polypeptide and islet amyloid polypeptide and islet amyloid polypeptide and islet islet amyloid polypeptide and isletification of amino acid res and isletification and isletification of acid res and isletification and isletification of acid res and isletification and isletification of acid res and research and and acid res and and acid res and aci
A;Title: A novel peptide in the calcitonin gene related peptide family as an amyloid fith A;Reference number: A26385; MUD:87048863; PMID:3535798
A;Accession: A26385
A;Accession: A26385
A;Accession: A26385
A;Accession: A;Residues: A26385
A;Cross=references: UNIPARC:UF1000017342>
A;Cross=references: UNIPARC:UF1000017342>
A;Cross=references: UNIPARC:UF1000017345
B;Cort, J; Liu, Z; Lee, G; Harris, S.M; Prickett, K.S.; Gaeta, L.S.L.; Andersen, N.H Biochem. Biophys. Res. Commun. 204, 1088-1095, 1994
A;Title: beta-Structure in human amylin and two designer beta-peptides: CD and NMR spect
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Matches 34; Conservative
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A.Cross-references: UNIPROT:P17716; UNIPARC:UPI000012D0C1; EMBL:X59998; NID:g870; PIDN:C R:Ocrdan, K.; Murtaugh, M.P.; O'Brien, T.D.; Westermark, P.; Betsholtz, C.; Johnson, K.H Biochem: A:Fitle: Canine IAPP CDNA sequence provides important clues regarding diabetogenesis and A;Reference number: A35476; MUID:90290487; PMID:2192709
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(species: Octodon degus (degu)
(c)Species: Octodon degus (degu)
(c)Species: Octodon degus (degu)
(c)Accession: A36118
R:Nishi, M.; Steiner, D.F.
Mol. Endocrinol. 4, 1192-1198, 1990
A;Title: Cloning of complementary DNAs encoding islet amyloid polypeptide, insulin, and A;Reference number: A36118; MUID:91155952; PMID:2293024
A;Accession: A36118
A;Accession: A36118
A;Residue: preliminary
A;Molecule type: mRNA
A;Residues: 1-91 -NISA
A;Residues: 1-91 -NISA
A;Crossion: A36118
A;Crossi
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*Residues: 43-66, TT',68 «JOR»
A;Cross-references: UNIRAC:UPI000016C3DA; GB:M37720; NID:g163960; PIDN:AAA30849.1; PID:
C;Superfamily: calcitonin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  islet amyloid polypeptide precursor - dog
N;Alcernate names: amylin precursor; IAPP; insulinoma amyloid protein
C;Species: Canis lupus familiaris (dog)
C;Date: 22-Nov-1993 #sequence_revision 01-Dec-1995 #text_change 09-Jul-2004
C;Accession: S22344; A35476
R;Albrandt, K.; Mull, E.; Cooper, G.J.S.; Johnson, M.J.
Biochim. Biophys. Acta 1130, 97-99, 1992
A;Title: Nucleotide sequence of a cDNA for canine amylin.
A;Reference number: S22344; MUID:92182022; PMID:1543754
                                                                                                                  Gaps
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          Length 89
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                                                                                                             4; Indels
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Pred. No. 4.8e-16;
1; Mismatches 4;
Query Match 84.7%; Score 171; DB 2; Best Local Similarity 86.5%; Pred. No. 2.5e-16; Matches 32; Conservative 1; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY
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86.5%;
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Best Local Similarity 81.1%;
Matches 30; Conservative
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Best Local Similarity 86.5
Matches 32; Conservative
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calcitonin gene-related peptide precursor - chicken
Cispecies: Gallus gallus (chicken)
Cipate: 30-Jun-1991 #sequence revision 30-Jun-1991 #text_change 09-Jul-2004
CiAccession: S00154; IS0183; A24855
R:Minvielle, S.; Cressent, M.; Delehaye, M.C.; Segond, N.; Milhaud, G.; Jullienne, A.; i
R:Minvielle, S.; Cressent, M.; Delehaye, M.C.; Segond, N.; Milhaud, G.; Jullienne, A.; i
A;Title: Sequence and expression of the chicken calcitonin gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Residues: 1-125 <MIN>
A;Residues: 1-125 <MIN>
A;Residues: 1-125 <MIN>
A;Cross-references: UNIPROT: P10286; UNIPARC: UP10000126E2F; EMBL;X06311
A;Cross-references: UNIPROT: P10286; UNIPARC: UP10000126E2F; EMBL;X06311
A;Note: the sequences of codons 31-33 and 34-38 are interchanged in this reference; the A;Note: the authors translated the codon GAC for residue 56 as Glu
A;Note: the authors translated the codon GAC for residue 56 as Glu
B;Lasmoles, F; Jullienne, A.; Day, F.; Minvielle, S.; Milhaud, G.; Moukhtar, M.S.
EMBO J. 4, 2603-2607, 1985
A;Title: Elucidation of the nucleotide sequence of chicken calcitonin mRNA: direct evide A;Reference number: A25725; MUID:86030240; PMID:4054101
B;Minvielle, S.; Cressent, M.; Lasmoles, F.; Jullienne, A.; Milhaud, G.; Moukhtar, M.S.
FEBS Lett. 203, 7-10, 1986
A;Reference number: IS0183; MUID:86248126; PMID:3487468
A;Accession: IS0183
A;MID:86248126; PMID:3487468
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A; Residues: 74-125 <MIZ>
A; Cross-references: UNIPARC:UP100001712BC; GB:D00007; NID:g222801; PIDN:BAA00006.1; PID
C; Comment: The calcitonin gene codes for two mRNA species by tissue-specific alternative
ripheral nervous system codes for calcitonin gene-related peptide.
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C;Superfamily: calcitonin
C;Superfamily: calcitonin
S;Reywords: alternative splicing; amidated carboxyl end; neuropeptide
F;80-116/Product: calcitonin gene-related peptide #status predicted <MAT>
F;81-86/Disulfide bonds: #status predicted
F;116/Modified site: amidated carboxyl end (Phe) (amide in mature form from following gl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          islet amyloid polypeptide - cougar (fragment)
(Species: Felis concolor (cougar)
(Species: 19-Mar-1997 #sequence_revision 26-Feb-1998 #text_change 11-May-2000
(Spacession: A61509
(R;Johnson, K.H; Wernstedt, C.; O'Brien, T.D.; Westermark, P.
(A) Title: Amyloid in the pancreatic islets of the cougar (Felis concolor) is derived from A;Reference number: A61509; MUID:91284578; PMID:2060275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ä
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55.0%; Pred. No. 6.7e-06;
tive 2; Mismatches 8; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CNTATCVTHRLADFLSRSGGVGKNNF----VPTNVGSKAF 116
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Pred. No. 3.8e-06;
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Residues: 1-29 «JOH»
A;Cross-references: UNIPARC:UP1000017660F
C;Superfamily: calcitonin
                                                                       31
                                                                                                                       1 TQRLANFLIHSSNNFGAIFSPPN 23
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74.1%;
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Best Local Similarity 55.0
Matches 22; Conservative
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Best Local Similarity
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                                                                            islet amyloid polypeptide - European hare (fragment)
(species: Lepus capensis europeaus (European hare)
(species: Lepus capensis europeaus (European hare)
(spacession: 14693)
(species: 21-Peb-1997 #sequence_revision 21-Peb-1997 #text_change 09-Jul-2004
(spacession: 14693)
(spacession: 14693)
(species: 183-188, 1993)
(species: 183-188, 1993)
(species: 18493)
(sp
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Cispecies: 21-Feb-1990 #sequence_revision 04-Sep-1992 #text_change 09-Jul-2004
CiAccession: D3342
Rivishi, M.; Chan, S.J.; Nagamatsu, S.; Bell, G.I.; Steiner, D.F.
Proc. Natl. Acad. Sci. U.S.A. 86, 5738-5742, 1989
Proc. Natl. Acad. Sci. U.S.A. 86, 5738-5742, 1989
Proc. Natl. Accession of the sequence of islet amyloid polypeptide in five mammals is construer conservation of the sequence of islet amyloid polypeptide in five mammals is construer preliminary
A; Research Proc. Natl. A33542; MUID:89345542; PMID:2668946
A; Residues: 1-92 ANISA
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78.4%; Pred. No. 1.4e-13;
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Pred. No. 1.1e-13;
2; Mismatches 6;
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islet amyloid polypeptide precursor - chicken N;Alternate names: IAPP
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Best Local Similarity 78.4%;
Matches 29; Conservative
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Matches 29; Conservative
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Best Local Similarity
Matches 18; Conserv
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A; Molecule type: protein
A; Residues: 82, X', 84-87, X', 89-104 < KIT>
A; Residues: 82, X', 84-87, X', 89-104 < KIT>
A; Residues: B2, X', 84-87, X', 89-104 of XI
A; Experimental source: pheochromocytoma
B; Experimental source: pheochromocytoma
R; Petermann, J.B.; Born, W.; Chang, J.Y.; Fischer, J.A.
Biol. Chem. 262, 542-545, 1987
A; Title: Identification in the human central nervous system, pituitary, and thyroid of a A; Reference number: A92637; MUID:87109142; PMID:3492492
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R;Miyata, A.; Jiang, L.; Minamino, N.; Arimura, A.
Biochem: Blophys. Res. Commun. 187, 1474-1479, 1992
A;Title: Identification of calcitonin gene related peptide in ovine hypothalamic extract A;Reference number: JH0709; MUID:93038624; PMID:1417824
A;Accession: JH0709
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C;Superfas amidated carboxyl end; neuropeptide
C;Reywords: amidated carboxyl end; neuropeptide beta #status experimental <MAT>
E;82-118/Product: calcitonin gene-related peptide beta #status experimental
F;83-88/Disulfide bonds: #status experimental
F;118/Modified site: amidated carboxyl end (Phe) (amide in mature form from following gl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Molecule type: protein
A; Molecule type: protein
A; Residues: 82, X', 84-87, X', 89-91, X', 93-98, X', 100-105, X', 107-109 < PET>
A; Residues: 82, X', 94-87, X', 89-91, X', 91-98
A; Cross-references: UNIPARC: UDIO000176611
B; Wilmalawansa, S.J.; Morris, H.R.; Etienne, A.; Blench, I.; Panico, M.; MacIntyre, I.
Biochem: Biochyye, Rese. Commun. 167, 993-1000, 1990
A; Title: Isolation, purification and characterization of beta-hCGRP from human spinal
A; Reference number: A34565; MUID: 90211348; PMID: 23222288
                                       RiKitamura, K.; Kangawa, K.; Kawamoto, M.; Ichiki, Y.; Mateuo, H.; Eto, T. Blochem. Biophys. Res. Commun. 185, 134-141, 1992. A; Ittle: Isolation and characterization of peptides which act on rat platelets, A; Reference number: JH0618; MUID:92287083; PMID:1318039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Cross-references: UNIPARC:UP10000176612; UNIPARC:UP10000176613
C;Comment: Calcitonin gene-related·peptide II peptide is a potent vasorelaxant.
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C;Date: 17-Apr-1993 #sequence_revision 17-Apr-1993 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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A;Residues: 1-37 <MIY>
A;Cross-references: UNIPROT:P30881; UNIPARC:UPI0000035153
A;Experimental source: hypothalamus
    Cross-references: UNIPROT: P10092; UNIPARC: UPI0000126E36
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Local Similarity 50.0%; Pred. No. 0.00016;
les 18; Conservative 1; Mismatches 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A, Cross-references: GDB:120572; OMIM:114160
A, Map position: 11p15.2-11p15.1
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A; Residues: 82-86;104-117 <WIM>
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Matches 18; Conservative
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c;Specides: Homo sapiens (man)
c;Date: 06-Sep-1996 #sequence_revision 06-Sep-1996 #text_change 09-Jul-2004
c;Accession: 13722
c;Accession: 13722
A;Steenbergh, P.H.; Hoppener, J.W.; Zandberg, J.; Lips, C.J.; Jansz, H.S.
FEBS Lett. 183, 403-407, 1985
A;Title: A second human calcitonin/CGRP gene.
A;Reference number: 137232
A;Accession: 137232
A;Accession: 137232
A;Accession: 137232
A;Residues: 1-72 - KES.
A;Residues: 1-72 - KES.
A;Residues: 1-72 - KES.
A;Accessivences: UNIPROT:P10092; UNIPARC:UP1000016A6C1; EMBL:X02404; NID:g29933; PIDN C;Superfamily: calcitonin
                                                                                                                                                                                                                                                                                                                                                                                                   C;Species: Oryctolagus cuniculus (Cirabit)
C;Species: Oryctolagus cuniculus (Cirabit)
C;Date: 14-Feb-1997 #sequence_revision 14-Feb-1997 #text_change 09-Jul-2004
C;Christian 18034
A;Title: Islet amyloid polypeptide in the rabbit and Buropean hare: studies on its relat A;Title: Islet amyloid polypeptide in the rabbit and Buropean hare: studies on its relat A;Accession: 14634
A;Reference number: 14634
A;Residues: preliminary; translated from GB/EMBL/DDBJ
A;Residues: 1-23 ACHRA
A;Residues: 1-23 ACHRA
A;Residues: 1-23 ACHRA
C;Superfamily: calcitonin
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                                                                                                                                                                                                                                                                                                                                                                    islet amyloid polypeptide - rabbit (fragment)
C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Date: 14-Feb-1997 #sequence_revision 14-Feb-1997 #text_change 09-Jul-2004
C;Accession: 1465934
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    1; Mismatches
                                                                              1 KCNTATCATORLANFLVHSSNNFGPIL 27
                                                                                                                                      9 TORLANFLVHSSNNFGPILPP 29
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Best Local Similarity 50.04
Matches 18; Conservative
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1es 17; Conservative
20; Conservative
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us-08-870-762b-1.rpr

Clin. Endocrinol. Metab. 59, 358-360, 1984

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A, Gene: GDB: CALCA; CALC1
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calcitonin gene-related peptide precursor - rat
C;Species: Rattus norregicus (Norway rat)
C;Date: 19-Feb-1984 #sequence_revision 19-Feb-1984 #text_change 09-Jul-2004
C;Accession: A01524; B22949
R;Amara, S.G.; Jonas, V.; Rosenfeld, M.G.; Ong, E.S.; Evans, R.M.
Nature 298, 240-244, 1982
A;Title: Alternative RNA processing in calcitonin gene expression generates mRNAs encodi
A;Reference number: A01524; MUD:82220111; PMID:6283379
                                                                                                                                                                                                                                                                                                                                                                                                                       A; Molecule type: mRNA
A; Residues: 1-128 < AMA>
A; Residues: 1-128 < AMA>
A; Residues: 1-128 < AMA>
A; Cross=references: UNIPARC: UNIPARC: UPI00001708AA; GB: L29188; GB: J00714; GB: N000
B; Cross=references: US: A: Semon, D.; Swanson, L.W.; Mermod, J.J.; Evans, R. Broc. Natl. Acad. Sci. U.S.A. 82, 1994-1998, 1985
A; Title: Alternative RNA processing events in human calcitonin/calcitonin gene-related physocension: B22949
A; Reference number: A94030; MUID: 85166259; PMID: 3872459
A; Molecule type: mRNA
A; Residues: 1-39, A, 40-49, L', 50-67, 70-128 < JON>
C; Superfamily: calcitonin
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C; Superfamily: calcitonin
C; Keywords: alternative splicing; amidated carboxyl end; neuropeptide
F;1-25/Domain: signal sequence #status predicted <SIG>
F;83-119/Product: calcitonin gene-related peptide #status predicted <MAT>
F;84-89/Disulfide bonds: #status predicted
F;119/Modified site: amidated carboxyl end (Phe) (amide in mature form from following
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42.1%; Score 85; DB 1; Length 128
Best Local Similarity 50.0%; Pred. No. 0.00022;
Matches 18; Conservative 1; Mismatches 17; Indels
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A,Title: Calcitonin gene related peptide, coding sequence is conserved in the human genom
A,Reference number: 155536, MUID:84240176; PMID:6610687
A,Accession: 155536
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A; Residues: 83-119 cMOR.
A; Residues: 83-119 cMOR.
A; Cross-references: UNIPARC: UP1000002B78E
A; Note: this peptide was detected in medullary thyroid carcinoma tissue and in plasma
A; Note: this peptide was detected in medullary thyroid carcinoma tissue and in plasma
B; Note: this peptide was detected in medullary thyroid carcinoma tissue and in plasma
B; Note: this peptide was detected in medullary thyroid carcinoma p. S.; Chambers, T.J.; Mor
B; Caldi, M; Brain, S.; Chambers, T.J.; Mor
A; Reference number: S10813; MUID:90358780; PMID:2390067
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A; Molecule type: protein
A; Residues: 83, X', 95-88, X', 90-108 < KIT>
A; Residues: 83, X', 95-88, X', 90-108 < KIT>
A; Cross-references: UNIPARC: UPI0000017349D
A; Experimental source: pheochromocytoma
B; Nelkin, B.D.; Rosenfeld, K.I.; de Bustros, A.; Leong, S.S.; Roos, B.A.; Baylin, S.B.
Biochem: Biophys. Res. Commun. 123, 648-655, 1984
A; Title: Structure and expression of a gene encoding human calcitonin and calcitonin gen
A; Reference number: I55204; MUID:85022523; PMID:6148938
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A; Residues: 48-119 <RE2>
A; Cross. ** R. K.; Filey, J. H.; Edbrooke, M. R.; Broad, P. M.; Foord, S. M.; Al-Kazwini, S. J.;
Biochem. Soc. Symp. 52, 91-105, 1986
A; Title: Expression and function of the human calcitonin/alpha-CGRP gene in health and day. Reference number: 139387; MUID:87213363; PMID:3034287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Comment: This peptide is a potent vasorelaxant.
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C; Superfamily: calcitonin
C; Keywords: alternative splicing; amidated carboxyl end; neuropeptide; vasodilator
F; 83-119/Product: calcitonin gene-related peptide alpha #status experimental
F; 84-89/Disulfide bonds: #status experimental
F; 119/Modified site: amidated carboxyl end (Phe) (amide in mature form from following gl
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A;Molecule type: DNA
A;Residues: 77-128 <RE3>
A;Cross-references: UNIPARC:UP1000016A651; GB:M26094; NID:g179798; PIDN:AAA51912.1; PID
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A; Residues: 83-88, 'X', '90-101, 'X', 103-111, 'X', 113-115, 'X', 117 < PET>
A; Residues: BB, 'X', '90-101, 'X', 103-111, 'X', 113-115, 'X', 117 < PET>
A; Cross-references: UNIPARC:UP1000017349C
R; Kitamura, K.; Kangawa, K.; Kawamoto, M.; Ichiki, Y.; Matsuo, H.; Eto, T.
Biochem. Biophys. Res. Commun. 185, 134-141, 1992
A; Title: Isolation and characterization of peptides which act on rat platelets, from a A; Reference number: JH0618; MUID:92287083; PMID:1318039
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                                                                                                                                           A;Status: translated from GB/EMBL/DDBJ
A;Status: translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 77-128 exES>
A;Residues: 77-128 exES>
A;Cross-references: UNIPARC:UPIO00016A651; GB:M28637; NID:gl80467; PIDN:AAA52012.1;
R;Morris, H.R.; Panico, M.; Etienne, T.; Tippins, J.; Girgis, S.I.; MacIntyre, I.
Nature 308, 746-748, 1984
A;Title: Isolation and characterization of human calcitonin gene-related peptide.
A;Reference number: A93329; MUID:84191466; PMID:6609312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A Molecule type: protein
A;Residues: 83-99,'A',101-119 <ZAI>
A;Cross-references: UNIPARC;UP100017349B
A;Petermann, J.B.; Born, W.; Chang, J.Y.; Fischer, J.A.
J. Biol. Chem. 262, 542-545, 1987
A;Title: Identification in the human central nervous system,
A;Reference number: A92637; MUID:87109142; PMID:3492492
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A;Map position: 11p15.2-11p15.1
A;Introns: 29/2; 76/2
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A;Residues: 1-166 <JOH>
A;Cross-references: UNIPARC:UPI000017B9D5; EMBL:AF125955; PIDN:AAD14711.1; GSPDB:GN00023
A;Experimental source: strain Bristol N2; clone F46E10
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R;Bevan, M.; Rose, M.; Hempel, S.; Entian, K.D.; Hoheisel, J.; Mewes, H.W.; Mayer, K.F.X Bubmitted to the Protein Sequence Database, March 1999
A;Reference number: Z15263
A;Accession: T05980
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A;Cross-references: UNIPROT:002263; UNIPARC:UPI000007C6F9; EMBL:281083; PIDN:CAB03104.1;
A;Experimental source: clone F44F1
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A;Residues: 1-430 ABEV.
A;Cross.references: UNIRROT:09SZA6; UNIPARC:UPI00000A24DD; EMBL:AL035678; GSPDB:GN00062;
A;Experimental source: cultivar Columbia; BAC clone F17M5
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                                                                                                 Cispecies: Caenorhabditis elegans
Cispecies: Caenorhabditis elegans
Cispecies: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 29-Oct-1999
Cispecies: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 29-Oct-1999
Cispecies: 23-Oct-1999 #sequence_revision 29-Oct-1999
RiJohnson, D.; Bradshaw, H.
RiJohnson, D.; Bradshaw, H.
A;Bockeston: The sequence of C. elegans cosmid F46E10.
A;Bockerence number: 221446
A;Accession: T3970
A;Accession: T3970
A;Scatus: preliminary; translated from GB/EMBL/DDBJ
A;Scatus: preliminary; translated from CB/EMBL/DDBJ
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C;Species: Caenorhabditis elegans
C;Date: 15-Oct_1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hypothetical protein F17M5.50 - Arabidopsis thaliana
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 30-Apr-1999 #sequence_revision 30-Apr-1999 #text_change 31-Dec-2004
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Pred. No. 0.48;
3; Mismatches 12;
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Pred. No. 6.2;
5; Mismatches
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Best Local Similarity 36.4%;
Matches 16; Conservative
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Best Local Similarity 36.4<sup>1</sup>
Matches 16; Conservative
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T22179
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                                                                                                                                                                                                                                                                                           RESULT 20
B44173
calcitonin gene-related peptide alpha precursor - rat
C;Species: Rattus norvegicus (Norway rat)
C;Species: Rattus norvegicus (Norway rat)
C;Date: 30-Jan-1993 #sequence_revision 12-Mar-1993 #text_change 09-Jul-2004
C;Accession: B44173
R;Amara, S.G.; Arriza, J.L.; Leff, S.E.; Swanson, L.W.; Evans, R.M.; Rosenfeld, M.G.
S;Siance 229, 1094-1097, 1985
A;Title: Expression in brain of a messenger RNA encoding a novel neuropeptide homologous
A;Reference number: A44173; MUID:85300490; PMID:2994212
A;Reference type: mRNA
A;Residues: 1-128 cANA>
A;Residues: 1-128 cANA>
A;Residues: 1-128 cANA>
A;Cross-references: UNIPROT:P01256; UNIPARC:UP100001708AB; GB:M11597; NID:g203226; PIDN:
C;Superfamily: calcitonin
C;Keywords: neuropeptide
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A; Accession: A4413
A; Status: preliminary
A; Molecule type: mRNA
A; Molecule type: protein
A; Title: (8-37)h-CGRP antagonizes actions of amylin on carbohydrate metabolism in vitro
A; Accession: S18300
A; Mulecule type: protein
A; Molecule type: protein
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Calcitonin gene-related peptide beta precursor - rat

C;Species Rattus norvegicus (Norway rat)

C;Date: 30-Jan-1993 #sequence_revision 12-Mar-1993 #text_change 09-Jul-2004

C;Accession: A44173; S18300

C;Accession: A44173; Leff, S.E.; Swanson, L.W.; Evans, R.M.; Rosenfeld, M.G.

Science 229, 1094-1097, 1985

A;Title: Expression in brain of a messenger RNA encoding a novel neuropeptide homologous

A;Reference number: A44173; MUID:85300490; PMID:2994212
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      Score 84; DB 1; Length 128;
Pred. No. 0.0003;
2; Mismatches 10; Indels
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Pred. No. 0.0003;
1; Mismatches 17; Indels
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41.6%; Score 84; DB 2; Length 134;
Best Local Similarity 50.0%; Pred. No. 0.00032;
Matches 18; Conservative 1; Mismatches 17; Indels
                                                                                                                                                                                                       84 CDTATCVTHRLAGLLSRSGGVVKNNF----VPTNVGSKAF 119
                                                                                                                                    2 CNTATCATORLANFLVHS----SNNFGPILPPTNVGSNTY 37
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Query Match
Best Local Similarity 50.0%;
Matches 20; Conservative 2
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Best Local Similarity 50.0%;
Matches 18; Conservative 1
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R;Perna, N.T.; Plunkett III, G.; Burland, V.; Mau, B.; Glaener, J.D.; Rose, D.J.; Mayheriller, L.; Grotbeck, E.J.; Davis, N.W.; Lim, A.; Dimalanta, E.; Potamousis, K.; Apodaca, Nature 409, 529-533, 2001
A;Title: Genome sequence of enterohemorrhagic Escherichia coli O157:H7.
A;Reference number: A85480; MUID:21074935; PMID:11206551
A;Accession: A85580; MUID:21074935; PMID:11206551
A;Accession: A859185
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-444 cSTO-A;Cross-references: UNIPROT:Q8X922; UNIPARC:UPI00001658DC; GB:AE005174; NID:g12517110; 1:
A;Experimental source: strain O157:H7, substrain EDL933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         probable transcription regulator [imported] - Escherichia coli (strain O157:H7, substranscription regulator [imported] - Escherichia coli (5, Species: Bscherichia coli (5, Species: Bscherichia coli (5, Species: Bscherichia coli (5, Species: Bscherichia coli (5, Species: Boulu-2001 #sequence_revision 18-Jul-2001 #text_change 09-Jul-2004 R; Hayashi, T.; Makino, K.; Ohnishi, M.; Kurokawa, K.; Ishii, K.; Yokoyama, K.; Han, C.G Sagawara, N.; Yasunaga, T.; Kuhara, S.; Shiba, T.; Hattori, M.; Shinagawa, H. A; Reference number: A99629; MUD:21156231; PMID:11258796 A; Reference number: A99629; MUD:21156231; PMID:11258796 A; Malecule type: DNA A; Molecule type: D
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Cjobte: 0.2-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
Cjotce: 0.2-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K., ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000
A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C. A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, A.Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, A;Reference and analysis of chromosome 1 of the plant Arabidopsis.
A;Reference number: A86141; MUID:21016719; PMID:11130712
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Pred. No. 14;
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A;Gene: Z3973
C;Superfamily: hypothetical protein b1439
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1 Similarity 36.1%;
13; Conservative
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Matches 13; Conserv
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Matches
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C;Species: Wus musculus (house mouse)
C;Date: 27-Oct-1995 #sequence_revision 03-Nov-1995 #text_change 05-Oct-2004
C;Accession: S5259
R;B Douarin, B.; Zechel, C.; Garnier, J.M.; Lutz, Y.; Tora, L.; Pierrat, B.; Heery, D.; EMBO J. 14, 2020-2033, 1995
A;Title: The N-terminal part of TIF1, a putative mediator of the ligand-dependent activa A;Reference number: S55259; MUID:95262642; PMID:7744009
A;Accession: S55259
A;Accession: S55259
A;Accession: MUID:95262642; PMID:7744009
A;Accession: MUID:95262642; PMID:7744009
A;Accession: Note of the ligand-dependent activa A;Accession: R55259
A;Accession: S5529
A;Accession: S5529
A;Accession: S5529
A;Accession: Note of the ligand-dependent activa A;Accession: R55259
A;Accession: S5529
A;Accession: Note of the ligand-dependent activa A;Accession: R5529
A;Accession: S5529
A;Accession: S5529
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A;Accession: S5529
A;Accession: NUIPROT: OffIC A;Accession: OffIC A;Accession
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hypothetical protein Z3973 [imported] - Escherichia coli (strain O157:H7, substrain EDL9
C;Speciese: Escherichia coli
C;Date: 16-Feb-2001 #sequence_revision 16-Feb-2001 #text_change 09-Jul-2004
C;Accession: A85915
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Superfamily: Chloris striate mosaic virus hypothetical 14.5K protein
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C;Species: Chloris striate mosaic virus
A;Note: Dactyloctenium australe
C;Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 09-Jul-2004
C;Accession: JU0041
R;Andersen, M.T.; Richardson, K.A.; Harbison, S.A.; Morris, B.A.M.
Virology 164, 443-449, 1988
A;Title: Nucleotide sequence of the geminivirus Chloris striate mosaic virus.
A;Recession: JU0041
A;Molecule type: DNA
A;Cross-references unibor: P18920; UNIPARC:UD10000139380; GB:M20021; NID:g32:
C;Superfamily: Chloris striate mosaic virus hypothetical 14.5K protein
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                                                                                                                                                                                                                     Score 56.5; DB 2; Length 559;
Pred. No. 8.1;
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Pred. No. 25;
1; Mismatches
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57.9%;
                                                                                                                                                                                                                                                             Local Similarity 42.9 tes 12; Conservative
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Best Local Similarity 57.9
Matches 11, Conservative
C;Genetics:
A;Gene: CESP:F44F1.4
A;Map position: 1
A;Introns: 345/2; 510/1
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Matches
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hypothetical protein APE0622 - Aeropyrum pernix (strain K1)
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Pred. No. 12;
5; Mismatches
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cadherin repeat
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ilarity 46.2%;
Conservative
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Best Local Similarity
Matches 12; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   A, Status: preliminary A, Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Molecule type: mRNA
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A; Residues: 34-360 cCHE2>
A; Creations: 34-360 cCHE2>
A; Creations: 34-360 cCHE2>
A; Creations: 34-360 cCHE2>
A; Creations: 34-360 cCHE2>
C; Genetics:
A; Genetics:
A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: A; Genetics: Geneti
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s15228
nutrease (NADH) (EC 1.7.1.1) 1 - Arabidopsis thaliana
C;Species: Arabidopsis thaliana (mouse-ear cross)
C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 09-Jul-2004
C;Date: 31-Dec-1993 #sequence_revision of a chlorate-resistant mutant of Arabidops
A;Milkinson, J.Q.; Crawford, N.M.
A;Reference number: 535228; MUID: 93287999; PMID: 8510658
A;Accession: 535228; MUID: 93287999; PMID: 8510658
A;Accession: 535228; MUID: 93287999; PMID: 8510658
A;Accession: 5309-3314, 1988
A;Accession: 501640; MUID: 89091069; PMID: 2905260
A;Accession: 501640; MUID: 89091069; PMID: 2905260
A;Accession: 501640; MUID: 89091069; PMID: 2905260
A;Accession: 525-917 cCHE1>
A;Cross references: UNIPARC: UPIO00016DB95; EMBL: X13434; NID: 916402; PIDN: CAA31786.1; PID
A;Accession: 56495
A;Ettus: translation of nucleotide sequence not complete
A;Accession: 56495
A;Ettus: translation not shown
A;Molecule type: DNA
A;Residues: 1-917 <STO>
A;Residues: 1-917 <STO>
A;Residues: 1-917 <STO>
A;Residues: 1-917 <STO>
A;Crose-references: UNIPROT:P11832; UNIPARC:UPI000001AFA; GB:AE005173; NID:g6437524; PI
C;Genetics:
A;Gene: T32E8.9
A;Map position: 1
A;Map position: 1
C;Superfamily: nitrate reductase (NADH); cytochrome b5 core homology; cytochrome-b5 redu
C;Keywords: heme; iron; metalloprotein
C;Keywords: heme; iron; metalloprotein
F;580,603/Binding site: heme iron (His) (axial ligands) #status predicted
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30;
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629 NVSVHGASNFGPLLAP 644
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Best Local Similarity 56.2
Matches 9; Conservative
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Best Local Similarity
Matches 9; Conserv
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RESULT 31

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C;Species: Aeropyrum pernix
C;Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
C;Accession: H72649 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
C;Accession: H72649 #sequence revision H:; Yamazaki, S:; Haikawa, Y:; Jin-no, K:; Takah, awa, H:; Takamiya, M:; Masuda, S:; Funahashi, T:; Tanaka, T:; Kudoh, Y:; Yamazaki, J:; K, Aya, H.; Takamiya, M:; Namazaki, J:; K, Ayitle: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, Aeropy: A;Reference number: A72450; MUID:99310339; PMID:10382966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Accession: A41087; B41087
R;Mahoney, P.A.; Weber, U.; Onofrechuk, P.; Biessmann, H.; Bryant, P.J.; Goodman, C.S.
Cell 67, 853-868, 1991
A;Yitle: The fat tumor suppressor gene in Drosophila encodes a novel member of the cadhe. A;Reference number: A41087; MUID:92069752; PMID:1959133
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C;Superfamily: cadherin-related tumor suppressor; cadherin repeat homology; EGF homology
C;Keywords: calcium binding; cell adhesion; duplication; transmembrane protein
F:1-35/Domain: signal sequence #status predicted <SIG>
F:36-5147/Product: cadherin-related tumor suppressor #status predicted <MAT>
F;36-4583/Domain: extracellular #status predicted <EXT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Cross-references: UNIPROT;O9YEF4; UNIPARC:UPI000005DC05; DDBJ:AP000060; NID:g5104188;
A;Experimental source: strain K1
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C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 16-Feb-1997
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A.Cross-references: UNIPARC:UPI000017434D; UNIPARC:UPI000017434E; GB:M80537
A.Note: 1229-Gly and 1233-Ser were also found
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;Cross-references: UNIPARC:UPI000017434B; UNIPARC:UPI000017434C; GB:M80537
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151-156/ Domain: cadherin repeat homology <CR2>
1521-382/ Domain: cadherin repeat homology <CR3>
130-494/ Domain: cadherin repeat homology <CR3>
130-599/ Domain: cadherin repeat homology <CR3>
160-708/ Domain: cadherin repeat homology <CR5>
1718-822/ Domain: cadherin repeat homology <CR5>
1718-822/ Domain: cadherin repeat homology <CR5>
1718-942/ Domain: cadherin repeat homology <CR5>
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F;1826-1922/Domain: cadherin repeat
F;1925-2027/Domain: cadherin repeat
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A; Molecule type: mRNA
A; Residues: 1-638 «NEL»
A; Cross-references: UNIPARC:UP1000017076D; GB:X62323; NID:g35277; PIDN:CAA44199.1; PID:
Cross-references: UNIPARC:UP1000017076D; GB:X62323; NID:g35277; PIDN:CAA44199.1; PID:
R; Shibasaki, Y.; Sakura, H.; Takaku, F.; Kasuga, M.
Biochem. Biophys. Res. Commun. 170, 314-321, 1990
Biochem. Insulin enhancer binding protein has helix-loop-helix structure.
A; Reference number: A35487; MUID:90321246; PMID:2196879
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C;Species: Mesocricetus auratus (golden hamster)
C;Species: Mesocricetus auratus (golden hamster)
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 09-Jul-2004
C;Accession: B37953
R;German, M.S.; Blanar, M.A.; Nelson, C.; Moss, L.G.; Rutter, W.J.
M;C, Radocrinol. 5, 292-299, 1991
A;Title: Two related helix-loop-helix proteins participate in separate cell-specific com A;Reference number: A77953; MUDI:91246228; PMID:1710033
A;Accession: B37953
A;Accession: B37953
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A;Residues: 297-377, 0', 378-638 <SHI>
A;Cross-references: UNIPARC:UP10000176414
C;Superfamily: human transcription factor 3
C;Keywords: alternative splicing; DNA binding; nucleus; transcription regulation
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C;Species: Rattus norvegicus (Norway rat)
C;Date: 12-06t-1990 #sequence_revision 12-0ct-1990 #text_change 16-Jul-1999
                                                                                                                                         Gaps
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A,Residues: 1-649 <GER>
A,Cross-references: UNIPROT:P98180; UNIPARC:UPI0000136C81
C,Superfamily: human transcription factor 3
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; Pred. No. 45;
0; Mismatches
                                                                                                                                     0; Mismatches
                                                                  Score 51.5;
Pred. No. 30;
   C; Superfamily: human transcription factor 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                             transcription regulator Pan-1 - rat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             332 HSSNNFSP-SPSTPVGS 347
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Best Local Similarity 70.6%;
Matches 12; Conservative
                                                               Query Match
Best Local Similarity 70.6%;
Matches 12; Conservative
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Best Local Similarity
Matches 12; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cellulase - Fibrobacter succinogenes
C.Species: Fibrobacter succinogenes
C.Scession: S57526
R.Occasion: S57526
R.Occasion: S57526
A.Description: Cloning of a cellulase gene from the rumen anaerobe fibrobacter succinoge
A.Reference number: S57526
A.Reference number: S57526
A.Reference number: S57526
A.Residues: Drellulary
A.Reference number: S67526
A.Stauus: Sprellulary
A.Residues: 1-388 co.Cc
A.Stauus: NA
A.Residues: 1-388 co.Cc
A.Cross-references: UNIPROT:Q47929; UNIPARC:UPI00000B5944; EMBL:X88561; NID:g887439; PIC
C.Superfamily: Fibrobacter succinogenes cellulase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   transcription regulator PAN-1 - golden hamster (fragment)
(c) Species Mesocricetus auratus (golden hamster)
(c) Species Mesocricetus auratus (golden hamster)
(c) Species Mesocricetus auratus (golden hamster)
(c) Date: 06-Dec-1991 #sequence_revision 06-Dec-1991 #text_change 09-Jul-2004
(c) Accession: A37953
(d) A. S.; Blanar, M.A.; Nelson, C.; Moss, L.G.; Rutter, W.J.
(e) Edaman, M.S.; Blanar, M.A.; Nelson, C.; Moss, L.G.; Rutter, W.J.
(e) A. Title: Two related helix-loop-helix proteins participate in separate cell-specific com A; Reference number: A37953; MUID:91246228; PMID:1710033
(e) A. Reference number: A37953; MUID:91246228; PMID:1710033
(e) A. Scatus: preliminary; not compared with conceptual translation
(e) A. Molecule type: mRNA
(e) A. Residues: 1-436 GSRA
(e) A. Residues: UNIPROT:P98180; UNIPARC:UPI0000176415
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 5147;
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Pred. No. 3.3e+02;
4; Mismatches 15,
                                                                                                                                                                                                                                 <C25>
                                                                                                                                                                                                                                                                                                                                   <C28>
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Best Local Similarity 38.7%;
Matches 12; Conservative
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EGF homology
                                                                                F:2387-2491/Domain: CF:2387-2491/Domain: CF:2599-2703/Domain: CF:2707-2810/Domain: CF:2813-2913/Domain: CF:3314-3229/Domain: CF:3317-3429/Domain: CF:3342-3545/Domain: CF:3548-3651/Domain: CF:3548-4010/Domain: CF:3954-4008/Domain: CF:3954-3008/Domain: CF:3954-39
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Best Local S:
Matches 12
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A;Cross-references: UNIPROT:Q01870; UNIFARC:UP10000138EF9; EMBL;X80058; NID:g510873; PID.
                                                                                       Score 51;
Pred. No.
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                         C, Superfamily: regulatory protein wetA
                                                                                                                                                                                                                                              180 QRLQNFSLHGSEDRLPLSPP 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            189 QRLQNFTIRSSDECLPLSPP 208
                                                                                                                                                                                                           10 ORLANFLVHSSNNFGPILPP 29
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                                                                                    25.2%;
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Best Local Similarity 34.1%;
Matches 15; Conservative
                                                                                                                Best Local Similarity 50.03
Matches 10; Conservative
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nes 10; Conserv
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A;Molecule type: DNA
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                                                                                    Query Match
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Matches
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                                     transcription regulator Pan-2 - rat

Cispecies: Rattus norvegicus (Norway rat)
Cipate: 12-Oct-1990 #sequence_revision 12-Oct-1990 #text_change 09-Jul-2004
Cipate: 12-Oct-1990 #sequence_revision regulator that binds chymotrypsin, insulin, and AP-4 enh Aireference number: A35816; MUID:90346284; PMID:2200736
Aireference number: A35816; MUID:90346284; PMID:2200736
Aireference number: A35816
Aireference number: A35816; MUID:90346284; PMID:2200736
Aireference number: A35816; MUID:90346284; PMID:9035278; PIDN:CC; Superfemily: human transcription factor 3
Circlession regulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       probable receptor protein kinase [imported] - Arabidopsis thaliana
[Species: Arabidopsis thaliana (mouse-ear cress)
[Species: Arabidopsis thaliana (mouse-ear cress)
[Species: Arabidopsis thaliana (mouse-ear cress)
[Spacession: B8431
[Ridn, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.;
[M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, L.
auss, D.; Nierman, W.C.; White, O.; Eisen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J.
Aritle: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
Areference number: A84420; MUID:20083487; PMID:10617197
A.; Residues: preliminary
A.; Molecule type: DNA
A.; Molecule type: DNA
A.; Molecule type: L143 <STO>
A.; Cross-references: UNIPRAC: UPI00000484D4; GB: AE002093; NID: 94406778; PI
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S46660
weth protein - Penicillium chrysogenum
C;Species: Penicillium chrysogenum
C;Species: Penicillium chrysogenum
C;Species: Penicillium chrysogenum
C;Species: 27-Jan-1995 #sequence_revision 27-Jan-1995 #text_change 09-Jul-2004
C;Accession: 34660 r. A. Jamberlake, W.E.
Mol. Gen. Genet. 244, 539-547, 1994
Mol. Gen. Genet. 244, 539-547, 1994
A)Aritle: The Penicillium chrysogenum and Aspergillus nidulans wetA developmental regulat A,Reference number: S46660 MUID:94359480; PMID:8078481
A,Accession: S46660
A,Status: preliminary
A,Molecule type: DNA
A,Residues: 1-499 <PRA>
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Pred. No. 46;
0; Mismatches
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A,Map position: 2
C,Superfamily: Receptor-like protein kinase
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Best Local Similarity
Matches 12; Conserva
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A,Molecule type: DNA
A,Residues: 1-555 <MAR>
A,Cross-references: UNIPROT: P22022; UNIPARC:UPI0000138EFB; GB:M60528; GB:M35758; NID:g16.
C,Comment: The products of the genes brlA, abaA, and weth are required for activation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rilin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.; Seus, Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, L.; euss, D.; Nierman, W.C.; White, O.; Eisen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J. Asture 402, 761-768, 1999
A; Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
A; Reference number: A84420; MUID:20083487; PMID:10617197
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R;Marshall, M.A.; Timberlake, W.E.
MOI. Cell. Biol. 11, 55-62, 1991
A;Title: Aspergillus nidilans weth activates spore-specific gene expression.
A;Reference number: A39665; MUID:91094871; PMID:1986246
A;Accession: A39665.
                                                                                                                                                                                                                                                                                                                                            regulatory protein wetA - Emericella nidulans
C;Species: Emericella nidulans, Aspergillus nidulans
C;Date: 31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein At2g38590 [imported] - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress) C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 31-Dec-2004 C;Accession: H84806
                                                                 Gaps
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Length 499;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 555;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 50.5; DB 2; Length 4 Pred. No. 40; 8; Mismatches 12; Indels
                                                             7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 NTATCATORLA--NFLVH-----SSNNFGPILP-PINVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C, Superfamily: hypothetical protein containing F-box domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25.2%; Score 51; DB 1; 50.0%; Pred. No. 46;
2;
DB
                             Pred. No. 41;
3; Mismatches
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hypothetical protein SA1707 [imported] - Staphylococcus aureus (strain N315)
C;Species: Staphylococcus aureus
C;Species: Staphylococcus aureus
C;Species: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
C;Accession: B89977
R;Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Ogur ma, A.; Mizutani-Ui, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kaito, C.; Sekimizu, K.;
C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.
Lancet 357, 1225-1240, 2001
A;Title: Whole genome sequencing of meticillin-resistant Stapylococcus aureus.
A;Reference number: A89758; MUID:21311952; PMID:11418146
A;Residues: 1-243 <KUR>
A;Reperimental source: strain N315
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Residues: 1-294 <QUE>
A;Cross-references: UNIPROT:Q9SVL2; UNIPARC:UPI00000A322F; EMBL:AL049862; GSPDB:GN00061,
A;Experimental source: cultivar Columbia; BAC clone F18B3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    bypothetical protein M1 - La France disease virus
C;Species: La France disease virus
C;Species: La France disease virus
C;Species: La France disease virus
C;Accession: $17905
R;Harmsen, M.C.; Tolner, B.; Kram, A.; Go, S.J.; de Haan, A.; Wessels, J.G.H.
Curr. Genet. 20, 137-144, 1991
A;Title: Sequences of three dsRNAs associated with La France disease of the cultivated m A;Reference number: $17904; MUID:92035060; PMID:1934110
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C;Date: 11-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 49; DB 2;
Pred. No. 37;
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6
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Pred. No. 44;
8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 NTATCATORLANF -- LVHSSNNFGPILPPTNVGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
24.3%;
Best Local Similarity 41.4%;
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Reference number: Z16409
A;Accession: T08408
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A,Gene: ATSP:F18B3.150
A,Map position: 3
A,Introns: 172/3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary
A;Molecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Gene: SA1707
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          89
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       effector cell proteinase receptor 1 - human
C.Species: Homo sapiens (man)
C.Species: Homo sapiens (man)
C.Species: Homo sapiens (man)
C.Species: Homo sapiens (man)
C.Species: No.2-Jun-1995 #text_change 09-Jul-2004
C.Accession: A53041
A.Title: Molecular cloning of effector cell protease receptor-1, a novel cell surface re
A.Reference number: A53041; MUID:94148797; PMID:8106347
A.Accession: A53041
A.Status: preliminary
A.Status: preliminary
A.Status: preliminary
A.Status: L.337 <ALT>
A.Residues: 1-337 <ALT>
A.Cross-references: UNIPROT:014868; UNIPARC:UPI0000073B87; GB:L26245; NID:9456089; PIDN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GB:M28243; NID:932
effector cell proteinase receptor 1 splice form 1b - human
Cispecies: Homo sapiens (man)
Cispecies: Homo sapiens (man)
Cipacies: Homo sapiens (man)
Cipacies: 19-Jan-1996 #text_change 19-Jan-1996
Cipacession: A5591
RiAltieri, D.C.
Biochemistry 33, 13848-13855, 1994
A;Title: Splicing of effector cell protease receptor-1 mRNA is modulated by an unusual A;Reference number: A55991; MUID:95034823; PMID:7947793
A;Accession: A55991
A;Residues: preliminary
A;Molecule type: mRNA
A;Residues: 1-110 cALI>
A;Cross-references: UNIPARC:UPI000017C0FB; GB:L32866
C;Keywords: alternative splicing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 44
B335G0
1L protein - human herpesvirus 6 (strain Uganda-1102)
C;Species: human herpesvirus 6 (strain Uganda-1102)
C;Species: human herpesvirus 6
C;Coate: 26-Jul-1991 #sequence_revision 26-Jul-1991 #text_change 09-Jul-2004
C;Accession: B335G0
R;Lawrence, G.L.; Chee, M.; Craxton, M.A.; Gompels, U.A.; Honess, R.W.; Barrell, B.G. J. Virol. 64, 287-299, 1990
J. Virol. 64, 287-299, 1990
A;Teference number: A335G0; MUID:90080132; PMID:2152817
A;Reference number: A335G0; MUID:90080132; PMID:2152817
A;Retaus: precliminary
A;Rolecule type: DNA
A;Residues: 1-458 <LAW>A;Residues: 1-458 <LAW>A;Cross-references: UNIPROT:P24434; UNIPARC:UPI0000138E7B; GB:M68963; GB:M28243; NID:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  / Match 24.8%; Score 50; DB 2; Length 337; Local Similarity 35.1%; Pred. No. 37; nes 13; Conservative 6; Mismatches 14; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                    DB 2; Length 110;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 CNTATCA--TORLANFLVHSSNNFG--PILPPTNVGS 34
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                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
24.8%; Score 50; DB 2
Best Local Similarity 35.1%; Pred. No. 12;
Matches 13; Conservative 6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 49.5; D
Pred. No. 60;
9; Mismatches
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Best Local Similarity 29.4%;
Matches 15; Conservative
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Best Local S:
Matches 13
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Ouery Match
Best Local Similarity
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A; Introns: 213/3; 278/1
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Job time : 42 secs
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B97652
hypothetical protein RC1218 [imported] - Rickettsia conorii (strain Malish 7)
C;Species: Rickettsia conorii
C;Date: 30-Sep-2001 #sequence_revision 30-Sep-2001 #text_change 09-Jul-2004
C;Accession: B97652
R;Ogata, H; Audic, S; Renesto-Audiffren, P.; Fournier, P.E.; Barbe, V.; Samson, D.; RC
Science 293, 2093-2098, 2001
A;Title: Mechanisms of Evolution in Rickettsia conorii and Rickettsia prowazekii.
A;Reference number: A97700; MUID:21442074; PMID:11557893
A;Steaus: preliminary
A;Molecule type: DNA
A;Residues: 1-1162 <KUR>
A;Residues: UNIPROT:Q92GAS; UNIPARC:UP100000CC033; GB:AE006914; PIDN:AAL03756.1;
C;Genetics:
C;Genetics:
C;Genetics:
C;Superfamily: Rickettsia prowazekii hypothetical protein RP785
A,Residues: 1-359 <HAR>
A,Cross-references: UNIPROT:Q83036; UNIPARC:UPI00000F4376; GB:D10829; GB:D00483; NID:g22
C,Superfamily: La France disease virus hypothetical protein M1
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A; Residues: 1-405 < BAT>
A; Cross-references: UNIPROT: P35375; UNIPARC: UPI00000216D7; EMBL: 249987; NID: g1197340; PI
B; Watabe, A.; Sugimoto, Y.; Honda, A.; Irie, A.; Namba, T.; Negishi, M.; Ito, S.; Narumi
J. Biol. Chem. 268, 20175-20178, 1993
A; Title: Cloning and expression of cDNA for a mouse EP1 subtype of prostaglandin E recep
A; Reference number: A48005; MUID: 93388584; PMID: 7690750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Residues: 1-405 <WAT>
A;Cross-references: UNIPARC:UPI0000216D7; GB:D16338; NID:g439232; PIDN:BAA03842.1; PID:
A;Experimental source: lung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 49
366525
prostanoid receptor EP1 - mouse
C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Date: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Accession: 866525; A48005
R;Batehake, B: Nilsson, C: Sundelin, J.
Eur. J. Biochem. 231, 809-814, 1995
A;Title: Molecular characterization of the mouse prostanoid EP(1) receptor gene.
A;Reference number: 866525; MUID:95377316; PMID:7649181
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CjSuperfamily: prostaglandin E receptor EP1

CjSuperfamily: prostaglandin E receptor; glycoprotein; transmembrane protein

CjSupervards: G protein-coupled receptor; glycoprotein; transmembrane #status predicted <TM1>

F/81-99/Domain: transmembrane #status predicted <TM2>

F/114-135/Domain: transmembrane #status predicted <TM3>

F/158-179/Domain: transmembrane #status predicted <TM4>
                                                                                                                                                                                                    Gaps
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C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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7
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                                                                                                                            Query Match 24.3%; Score 49; DB 2; Length 359; Best Local Similarity 37.0%; Pred. No. 55; Matches 10; Conservative 5; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18; Indels
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35.5%; Pred. No. 1.8e+02;
tive 2; Mismatches 18;
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A;Residues: 12844 <GEN>
A;Cross-references: UNIPROT:014147; UNIPARC:UP1000006A4EE; EMBL:299167; PIDN:CAB16287.1;
A;Experimental source: strain 972h-; cosmid c3G6
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C;Species: Schizosaccharomyces pombe
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
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A;Reference number: 221797
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F;203-228/Domain: transmembrane #status predicted <TM5>F;302-323/Domain: transmembrane #status predicted <TM6>F;338-357/Domain: transmembrane #status predicted <TM7>
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Pred. No. 1.5e+02;
5; Mismatches 3;
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A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
                                                                                                           24.0%; Score 48.5; DE
48.1%; Pred. No. 72;
Live 0; Mismatches
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Best Local Similarity 47.6%;
Matches 10; Conservative 5
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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100.0%; Score 202; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 6e-21;
Matches 37; Conservative 0; Mismatches 0; Indels
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                                                                                    US-08-477-727A-4

Sequence 4, Application US/0847727A

Sequence 4, Application US/0847727A

Patent No. 5739106

GENERAL INFORMATION:

APPLICANT: Rink, Timothy

APPLICANT: Young, Andrew

APPLICANT: Prickett, Kathryn

TITLE OF INVENTION: COMPOSITIONS

NUMBER OF SEQUENCES: 108

CORRESPONDENCE 108

STREET: G33 MEST FIFTH STREET, SUITE 4700
ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 9001-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE
COMPUTER: IBM COMPATIBLE
CONFARE: PASTSEN: DOS
SOFTWARE: PASTSEN: US/08/477,727A
FILING DATE: 07-UN-1995
CLASSIFICATION INTERE: US/08/477,727A
FILING DATE: TINCORMATION:
APPLICATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REFERENCE/COCKET NUMBER: 314/005
TELECOMMUNICATION:
TELECOMMUNICATION:
TELEFON: 619-552-0157
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SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
STRANDEDNESS: single
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FRAGMENT TYPE: internal ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: LOS ANGELES
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANTI-SENSE: NO
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Sequence 29, Application US/08477727A Patent No. 5739106 GENERAL INFORMATION: APPLICANT: Rink, Timothy APPLICANT: Young, Andrew

US-08-477-727A-29

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
APPLICANT: Beeley, Nigel
APPLICANT: Prickett, Kathryn
TITLE OP INVENTION: APPETITE REGULATING
TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 81, Application US/0847727A
Fatent No. 5739106
GENERAL INFORMATION:
APPLICANT: Rink, Timothy
APPLICANT: Rink, Timothy
APPLICANT: Poung, Andrew
APPLICANT: Prickett, Kathryn
TITLE OF INVENTION: APPRITITE REGULATING
TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET, 633 WEST FIFTH STREET, SUITE 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 202; DB 1
Best Local Similarity 100.0%; Pred. No. 6e-21;
Matches 37; Conservative 0; Mismatches
                                                                                                                                                                                                                                                           COUWTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fast5EQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,727A
FILING DATE: 07-10N-1995
CLASSIFICATION: 514
PRIOR APPLICATION: THORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELESHOUR: 619-552-0457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX:
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 633 n.c.
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ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HYPOTHETICAL: NA ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-477-727A-29
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Query Match 100.0%; Score 202; DB 1; Length 37; Best Local Similarity 100.0%; Pred. No. 6e-21; Matches 37; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/08471675A

Patent No. 5795861

GENERAL INFORMATION:
APPLICANT: Kolterman, Orville
APPLICANT: Rink, Timothy
ITLE OF INVENTION: METHODS FOR REGULATING
ITLLE OF INVENTION: METHODS FOR REGULATING
ITLLE OF INVENTION: METHODS FOR REGULATING
ITLLE OF INVENTION: MASTROINEERINAL MOTILITY
NUMBER OF SEQUENCES 30
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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COUNTRY: USA
ZIP: 90071-2066
COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,675A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/318,381
FILING DATE: 07-SEP-1993
ATTORNEY, AGENT INFORMATION:
NAME: DUFT, BRADFORD J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               213/048
                                NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REFRENCE/DOCKET NUMBER: 214/
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-8400
TELEFAX: 619-552-0157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-8400
                                                                                                                                                                                                          87:
                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENES: NO
                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  37 amino acids
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INFORMATION FOR SEQ ID NO:
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LENGTH: 37 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                    FRAGMENT TYPE: 1
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US-08-471-675A-2
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100.0%; Score 202; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 6e-21;
Matches 37; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Rink, Timothy
APPLICANT: Rink, Timothy
APPLICANT: Rink, Timothy
APPLICANT: Relet, Nathryn
TITLE OF INVENTION: APPETITE REGULATING
TITLE OF INVENTION: APPETITE REGULATING
TITLE OF INVENTION: APPETITE REGULATING
TITLE OF INVENTION: APPETITE REGULATING
TITLE OF INVENTION: APPETITE REGULATING
TITLE OF INVENTION: APPETITE REGULATING
TITLE OF INVENTION: ANGELES:
CORRESPONDENCES: 108
STREET: GASI WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STRATE: CA
COUNTRY: USA
COUNTRY: USA
ZIP: BO071-2066
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
COMPUTER: TOWN COMPATIBLE
COMPUTER: TOWN COMPATIBLE
COMPUTER: TOWN COMPATIBLE
COMPUTER: TOWN COMPATIBLE
COMPUTER: TOWN COMPATIBLE
SOFTWARENT APPLICATION DATA:
RELING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US/08/477,727A
FRIGNG DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPAILDIE
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,727A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR PAPLICATION DATA:
APPLICATION NUMBER:
RILING DATE:
PRIOR DATE:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-477-727A-87; Sequence 87, Application US/08477727A; Patent No. 5739106
                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 214/1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-6400
TELEFAX: 619-552-0157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         81:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-477-727A-81
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          DB 1; Length 37;
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                                                       Indels
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CALP: 9001.

CALP: 9001.

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: TBM PC Compatible
COPERATIOR SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
PRIOR APPLICATION NUMBER: 08/118,381
PLING DATE: 07-SEP-1993
ATTORNEY/AGENT INPORMATION:
NAME: DUET, BRADFORD J:
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 209/146
TELEPHONE: 619/552-2200
TELEPRAX: 213/555-0440
                                                                                                                                                                                                                                                              Sequence 1, Application US/08302069A

Patent No. 614304

GENERAL INFORMATION:
APPLICANT: YOUTERMAN, Orville G.
APPLICANT: YOUNG, Andrew A.
APPLICANT: BROWN, Timothy J.
APPLICANT: BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGILATING
TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: GA3 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
       Query Match
100.0%; Score 202; DB 1;
Best Local Similarity 100.0%; Pred. No. 6e-21;
Matches 37; Conservative 0; Mismatches 0;
                                                                                                       1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                  1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 202; DB 2; Best Local Similarity 100.0%; Pred. No. 6e-21; Matches 37; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disulfide bridge between
the Cys residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: 2,7
COTHER INFORMATION: d
OTHER INFORMATION: t
LOCATION: 37
COTHER INFORMATION: a
US-08-302-069A-1
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TELEX: 67
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                                                                                                                                                                                                                      Query Match 100.0%; Score 202; DB 1; Length 37; Best Local Similarity 100.0%; Pred. No. 6e-21; Matches 37; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 9, Application US/08892549

Patent No. 5998367

GENERAL INFORMATION:
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND TITLE OF INVENTION: USES THEREFOR NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS: ADDRESSE: LYON & LYON STREET: 633 WEST FIFTH STREET: CITY: LOS ANGELES

CITY: LOS ANGELES

COUNTRY: USA
                                                                                          OTHER INFORMATION: disulfide bridge between the Cys OTHER INFORMATION: residues at positions 2 and 7; OTHER INFORMATION: amidated Tyr at position 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
SURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/892,549
FILING DATE: 14-7UL-1997
CLASSIFICATION NUMBER: 08/47,849
FILING DATE: 19-104-1995
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: 07/657,040
FILING DATE: 08-MAR-1991
APPLICATION NUMBER: 227/006
TELECOMMUNICATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 327/006
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFERK: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                    1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                      1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: 37
COTHER INFORMATION: amidated Tyr (Tyrosinamide)
US-08-892-549-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       disulfide bridge between
the Cys residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 37 amino acids
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                         TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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US-08-471-675A-2
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                                                                      FEATURE:
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RESULT 8

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                                                                                   COMPUTER READBLE FORM:

MEDIUM TYPES Floppy disk

COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/454,533
FILING DATE: 0-Dec-1999
PRIOR APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: 07/67,040
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US/05/67,040
FILING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISERATION NUMBER: 227/006
TELEFRATION INFORMATION:
TELEFRATION INFORMATION:
TELEFRATION INFORMATION:
TELEFRATION INFORMATION:
TELEFRATION INFORMATION:
TELEFRAX: 213/555-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 202; DB 2; Length 37; Best Local Similarity 100.0%; Pred. No. 6e-21; Matches 37; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 84, Application US/0847727A
; Sequence 84, Application US/0847727A
; Patent No. 5739106
; Patent No. 5739106
; APPLICANT: Rink, Timothy
; APPLICANT: Young, Andrew
APPLICANT: Young, Andrew
APPLICANT: Prickett, Kathryn
; TITLE OF INVENTION: APPETITE REGULATING
; TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDERE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STATE: CAS
COUNTRY: USA
ZIP: 90071
       STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STAIL.
COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS
                            CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-454-533-9
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COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPDY disk

COMPUTER: IBM COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION NAMBER: US/09/576,062A

FILING DATE: 22-May-2000

CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 2; Length 37;
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Patent No. 6610824
GENERAL INPORMATION:
APPLICANT: GAETA, Laura S.L. Et Al
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amidated Tyr (Tyrosinamide)
                                                                                                                                                    BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 202; DB 2; Best Local Similarity 100.0%; Pred. No. 6e-21; Matches 37; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             209/146
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US-09-576-062A-1
                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS: 100
STREET: 633 WEST FIFTH STREET
                                                                                   APPLICANT: KOLTERMAN, Orville G.
YOUNG, Andrew A.
RINK, Timothy J.
                   Sequence 1, Application US/09576062A Patent No. 6608029 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
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CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                    CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION:
US-09-576-062A-1
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Gaps

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99.5%; Score 201; DB 1; Length 37; ilarity 97.3%; Pred. No. 8.3e-21; Conservative 1; Mismatches 0; Indels
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Sequence 8, Application US/08471675A

Sequence 8, Saplication US/08471675A

Patent No. 5795861

GENERAL INFORMATION:
APPLICANT: Kolterman, Orville

APPLICANT: Rink, Timothy

TITLE OF INVENTION: METHODS FOR REGULATING

TITLE OF INVENTION: MASTROINTESTINAL MOTILITY

NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON

STREET: 633 WEST FIFTH STREET, SUITE 4700

CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KCNTATCATQRLANFLIHSSNNFGPILPPTNVGSNTY 37
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SOFTWARE: FASTEM: DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,675A
FILING DATE: 05-JUN-1995
CLASSIPICATION STA
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD INFORMATION:
REFERENCE/DOCKET NUMBER: 32,219
RESISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 213/048
TELECOMMUNICATION INFORMATION:
TELECHORE: 619-552-8400
                REFERENCE/DOCKET NUMBER: 214/005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-8400
TELEFAX: 619-552-0157
                                                                                                                                      TELEX:
INFORMATION FOR SEQ ID NO: 9'
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
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SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                              internal
                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 36; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                       FRAGMENT TYPE: i ORIGINAL SOURCE: US-08-477-727A-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
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99.5%; Score 201; DB 1; Length 37;
Best Local Similarity 97.3%; Pred. No. 8.3e-21;
Matches 36; Conservative 1; Mismatches 0; Indels
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Sequence 97, Application US/0847727A

Patent No. 5739106

GENERAL INFORMATION:
APPLICANT: Rink, Timothy
APPLICANT: Young, Andrew
APPLICANT: Pricket, Kathryn
TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 613 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STATE: CA
COUNTRY: USA
COUNTRY: USA
STATE: Diskette
COMPUTER: IBM Compatible
OPPRATING SYSTEM: DOS
SOFTWARE: Diskette
COMPUTER: IBM Compatible
OPPRATING SYSTEM: DOS
SOFTWARE: Feat-SEQ Version 1.5
CURRENT APPLICATION NUMBER: US/08/477,727A
FILING DATE: 07-JUM-1995
CLASSIFICATION NUMBER:
FILING DATE:
RELING DATE:
FILING DA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,727A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTONNEY, AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 214/005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-8400
TELEFAM: 619-552-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       84:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FRAGMENT TYPE: internal ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-477-727A-84
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Length 37;
                                                                                                                                                     Sequence 12, Application US/08892549
Parent No. 5998367
GENERAL INFORMATION:
APPLICANT: GERTA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
TITLE OF INVENTION: USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: 9001.

COMPUTER: FLORDY disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC COMPATIONS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/892,549
FILING DATE: 14-JUL-1997
CLASSIFICATION: 514
PRIOR APPLICATION S14
PRIOR APPLICATION NUMBER: 03/447,849
FILING DATE: 29-MAY-1995
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-MAR-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: WAMR-1991
APPLICATION NUMBER: 227/006
MREPRENCE/DOCKET NUMBER: 32,219
REGISTRATION NUMBER: 32,219
                  1 KCNTATCATQRLANFLIHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
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OTHER INFORMATION: amidated Tyr (Tyrosinamide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / Match 99.5%; Score 201; DB 1; Local Similarity 97.3%; Pred. No. 8.3e-21; nes 36; Conservative 1; Mismatches 0
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                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 67-3510
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 633 WELL
CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COCATION: 2,7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: UZIP: 90017
                                                                                              RESULT 14
US-08-892-549-12
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                                                                                                                                                                    Query Match
99.5%; Score 201; DB 1; Length 37;
Best Local Similarity 97.3%; Pred. No. 8.3e-21;
Matches 36; Conservative 1; Mismatches 0: Thakalo
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                              disulfide bridge between the Cysresidues at positions 2 and 7; amidated Tyr at position 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: disulfide bridge between the Cys OTHER INFORMATION: residues at positions 2 and 7; OTHER INFORMATION: amidated Tyr at position 37 US-08-471-675A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: KOLLERMAN, OTVILLE
APPLICANT: RIAK, TIMOCHN
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: 30
CORRESPONDENCE ADDRESSE:
ADDRESSEE: LYON & LYON
STREET: G33 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STATE: CA
COUNTRY: USA
ZIP: 90071-206
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPATA:
MEDIUM TYPE: DOS
SOFTWARE: PRESEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,675A
FILING DATE: 07-SEP-1993
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
APPLICATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 213/048
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
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TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
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                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-471-675A-19
; Sequence 19, Application US/08471675A
; Patent No. 5795861
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
PEATURE:
OTHER INFORMATION: COTHER INFORMATION: I
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99.5%; Score 201; DB 2; Length 37;
Best Local Similarity 97.3%; Pred. No. 8.3e-21;
Matches 36; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                     COMPUTER: 15DT FC COMPUTER: 15DT FC COMPUTER: PATENTING SYSTEM: PC-DOS/MS-DOS SOCTUMARE: PATENTIN Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/302,069A FILING DATE: 07-SEP-1994 CLASSIFICATION: 514 PRIOR APPLICATION NUMBER: 08/118,381 FILING DATE: 07-SEP-1993 ATPOINEY/AGENT INFORMATION: NAME: UDFT: BRADENE: 209/146 TELECOMMUNICATION NUMBER: 200/146 TELECOMMUNICATION NUMBER: 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: KOLTERMAN, Orville G.
APPLICANT: KOLTERNAN, Orville G.
RINK, Timothy J.
RIOWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: 37
CHER INFORMATION: amidated Tyr (Tyrosinamide)
US-08-302-069A-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disulfide bridge between
the Cys residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/576,062A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                  E: Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   single
                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION:
OTHER INFORMATION:
                                                 CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: sil
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                                                                                                                     90017
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99.5%; Score 201; DB 2; Length 37;
Best Local Similarity 97.3%; Pred. No. 8.3e-21;
Matches 36; Conservative 1; Mismatches 0; Indels
APPLICANT: YOUNG, Andrew A.
APPLICANT: RINK, Timothy J.
APPLICANT: BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: GAS ANGELES
CITY: LOS ANGELES
CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 18, Application US/08302069A
Patent No. 6114304
GRNERAL INFORMATION:
APPLICANT: KOLTERMAN, Orville G.
APPLICANT: YOUNG, Andrew A.
APPLICANT: RINK, Timochy J.
APPLICANT: BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
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COTHER INFORMATION: amidated Tyr (Tyrosinamide)
US-08-302-069A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: 2,7
OTHER INFORMATION: disulfide bridge between
OTHER INFORMATION: the Cys residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-528P-1993
ATORNEY/AGENT INFORMATION:
NAME: DUET, BRADFORD J.
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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TELEX: 67-3510
INFORMATION FOR ERQ ID NO: 7-
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 12, Application US/09454533
Patent No. 6610824
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND USES THEREFOR
                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: amidated Tyr (Tyrosinamide); SEQUENCE DESCRIPTION: SEQ ID NO: 18: US-09-576-062A-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KCNTATCATQRLANFLIHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA: 
APPLICATION DATA: 08/892,549

FILING DATE: <Unknown>
APPLICATION NUMBER: 07/794,266
FILING DATE: <Unknown>
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
PILING DATE: 08-MAR-1991
ATTORNEY, AGENT INFORMATION: NAME: DUFT, BRADFORD J. REGISTRATION: NUMBER: 32,219
              REFERENCE/DOCKET NUMBER: 209/146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/454,53:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE. LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
TELEX: 67-3510
INFORMATION FOR SEQ 1D NO: 18:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: TELECOMMUNICATION:
                                                                                                                                                                       LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 619/552-2200
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STRANDEDNESS: single
TOPOLOGY: linear
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INFORMATION FOR SEQ ID NO: 12:
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 4
                                                                                                                                                                                                                                                                                                                          LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 19
US-09-454-533-12
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MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IN PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOTTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/576,062A

FILING DATE: 22-May-2000

CLASSIFICATION: CUNKNOWN>

PRIOR APPLICATION OF APPLICATION OF APPLICATION OF APPLICATION OF APPLICATION OF APPLICATION OF APPLICATION NUMBER: 08/302,069

FILING DATE: 07-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
99.5%; Score 201; DB 2; Length 37;
Best Local Similarity 97.3%; Pred. No. 8.3e-21;
Matches 36; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: KOLTERMAN, Orville G.
YOUNG, Andrew A.
RINK, Timothy J.
RENWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
FILING DATE: 22-May-2000
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEPAX: 213/955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                      NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: DUFT, BRADFORD J. REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-576-062A-18; Sequence 18, Application US/09576062A; Patent No. 6608029; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-576-062A-7
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1 KCNTATCATQKLANFLVHSSNNFGPILEPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FRAGMENT TYPE: i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-477-727A-30
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US-08-477-727A-88
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                                                                                                                                 Query Match
99.5%; Score 201; DB 2; Length 37;
Best Local Similarity 97.3%; Pred. No. 8.3e-21;
Matches 36; Conservative 1; Mismatches 0; Indels
                                                       OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
                                                                                                                                                                                                                                   1 KCNTATCATQRLANFLVHSSNNFGPVLPPTNVGSNTY 37
                                                                                                                                                                                                               1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:

APPLICANT: Rink, Timothy
APPLICANT: Rink, Timothy
APPLICANT: Beeley, Nigel
APPLICANT: Beeley, Nigel
APPLICANT: Bricket, Kathryn
TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: DOS
SOFTWARE: FASESEQ VETBION 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,727A
CLASSIFICATION 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REJERBING/DOCKET NUMBER: 214/005
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/08477727A
Patent No. 5739106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98.5%;
                                     LOCATION: 37
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IBM Compatible
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 97.34
Matches 36; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM COMPORTING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FRAGMENT TYPE:
ORIGINAL SOURCE:
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                                                                                           US-09-454-533-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KCNTATCATOKLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
Sequence 30, Application US/0847727A
; Sequence 30, Application US/0847727A
; Patent No. 5739106
; GENERAL INFORMATION:
; APPLICANT: Rink, Timothy
; APPLICANT: Young, Andrew
; APPLICANT: Prickett, Kathryn
; TITLE OF INVENTION: COMPOSITIONS
; UNMBER OF SEQUENCES: 108
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LYON & LYON
; STREET: 633 WEST FIFTH STREET, SUITE 4700
; CITY: LOS ANGELES
; CTATE: ADDRESSEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 07-JUN-1995
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 214/005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-8400
TELEFAX: 619-552-0157
                                                                                                                                                                                                                                                                                                                                                                STATE: CA
COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPARIBLE
OPERATING SYSTEM: DOS
SOFTWARE: FRAELESRO VECHOIN 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 88, Application US/0847727A
Patent No. 5739106
GENERAL INPORMATION;
APPLICANT: Rink, Timothy
APPLICANT: Young, Andrew
APPLICANT: Beeley, Nigel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: DUTT, BRADFORD J
REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 37 amino acids TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           disulfide bridge between the Cysresidues at positions 1 and 6; amidated Tyr at position 36
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 10, Application US/08302069A

Patent No. 6114304
GENERAL INFORMATION:
APPLICANT: KOLTERMAN, Orville G.
APPLICANT: YOUNG, Andrew A.
APPLICANT: RINK, Timothy J.
APPLICANT: BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 97.5%; Score 197; DB 1; Best Local Similarity 100.0%; Pred. No. 2.9e-20; Matches 36; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 36
                            CURRENT APPLICATION DATA:
SOFTWARE: FRAECEGO Version 2.0
CURRENT APPLICATION DATA:
PRILING DATE: 05-JUN 1995
CLASSIFICATION: 514
PRIOR APPLICATION: 514
PRIOR APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT TREORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELEPHONE: 619-552-0457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX:
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 90017
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy o
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CTHER INFORMATION:
CTHER INFORMATION:
US-08-471-675A-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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Sequence 11, Application US/08471675A

Sequence 11, Application US/08471675A

Patent No. 5795861

GENERAL INFORMATION:
APPLICANT: Kolterman, Orville
APPLICANT: Rink, Timochy
TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
NUMBER OF SEQUENCES: 30
CORRESONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STATE: CA
COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Disketter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
97.5%; Score 197; DB 1; I
Best Local Similarity 100.0%; Pred. No. 2.9e-20;
Matches 36; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
APPLICANT: Prickett, Kathryn
TITLE OF INVENTION: APPETITE REGULATING
TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
                                                                                                                                                                                                                 COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTEM: DOS
SOFTWARE: FASTEM: DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/477,727A
FILING DATE: 07-1UN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 214/005
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
TYPE: amino acid
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: NO
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANTI-SENSE: NO FRAGMENT TYPE: i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-477-727A-88
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Gaps

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                                                                                                                                                                                                                        ) SEQUENCE DESCRIPTION: amidated Tyr (Tyrosinamide) ; SEQUENCE DESCRIPTION: SEQ ID NO: 10: US-09-576-062A-10
                                                                                                                                                                                                                                                                                                                          Query Match 97.5%; Score 197; DB 2; 1
Best Local Similarity 100.0%; Pred. No. 2.9e-20;
Matches 36; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                          1 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 77. Application US/08477727A
Facent No. 5739106
GENERAL INFORMATION:
APPLICANT: Rink, Timothy
APPLICANT: Peeley, Nigel
APPLICANT: Beeley, Nigel
APPLICANT: Pricket, Kathryn
TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                     2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM COMPACTION
COMPUTER: IBM COMPACTION
SOFTWARE: FESTERO VERSION 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,727A
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                               LENGTH: 36 amino acida
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-8400
TELEFAX: 619-552-0157
                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                 LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FRAGMENT TYPE: 1 ORIGINAL SOURCE: US-08-477-727A-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HYPOTHETICAL: N
ANTI-SENSE: NO
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COUNTRY: USA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CCMPUTER: IBM PC compatible
CCMPUTER: IBM PC compatible
COMPUTER: USA
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/576,062A
FILING DATE: 22-MAY-2000
CLASSIFICATION OATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION NUMBER: 209/146
TELECHAN: 213/955-0440
TELEFAX: 213/955-0440
TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                97.5%; Score 197; DB 2; Length 36
100.0%; Pred. No. 2.9e-20;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 25
US-09-576-062A-10
; Sequence 10, Application US/09576062A
; Patent No. 6608029
; GENERAL INFORMATION:
; APPLICANT: KOLTERMAN, Orville G.
; RING, Andrew A.
; RINK, Timochy J.
; RINK, Timochy J.
; TITLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: 1,6
CTHER INFORMATION: disulfide bridge between
CTHER INFORMATION: the Cys residues
LOCATION: 36
CTHER INFORMATION: amidated Tyr (Tyrosinamide)
US-08-302-069A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
TELERY: 67-3510
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
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ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.09
Matches 36; Conservative
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Query Match 96.5%; Score 195; DB 1; Length 37; Best Local Similarity 94.6%; Pred. No. 5.6e-20; Matches 35; Conservative 1; Mismatches 1; Indels
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US-08-411-675A-12
; Sequence 12, Application US/08471675A
; Patent No. 5795861
; GENERAL INFORMATION:
    APPLICANT: KOLLETTENCH, THROCHY
; TITLE OF INVENTION: METHODS FOR REGULATING
; TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
; WUNDER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
    ADDRESSEE: LYON & LYON
; STREET: 633 WEST PIFTH STREET, SUITE 4700
; CITY: LOS ANGELES
; STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                     STREET: 633 WEST FIFTH STREET, SUITE 4700 CITY: LOS ANGELES STATE: CA ANGELES
                                                                       APPLICANT: Rink, Timothy
APPLICANT: Roung, Andrew
APPLICANT: Beeley, Nigel
APPLICANT: Pricket, Kathryn
TITLE OF INVENTION: COMPOSITIONS
TITLE OF INVENTION: COMPOSITIONS
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: Disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              internal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: sin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ANTI-SENSE: NO FRAGMENT TYPE: i ORIGINAL SOURCE: US-08-477-727A-96
                5739106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
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Query Match 97.0%; Score 196; DB 1; Length 37; Best Local Similarity 97.3%; Pred. No. 4.1e-20; Matches 36; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 96.5%; Score 195; DB 1; Length 37; Best Local Similarity 94.6%; Pred. No. 5.6e-20; Matches 35; Conservative 1; Mismatches 1; Indels
                                                                                                                                    1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                         1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNDY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KCNTATCATORLANFLVHSSNNLGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Rink, Timothy
APPLICANT: Young, Andrew
APPLICANT: Prickett, Kathryn
TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
GENERAL OF COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: 140 COMPUTINE
COMPUTER: 140 COMPUTINE
COMPUTERIN SYSTEM: DOS
SOFTWARE: FASESEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,727A
FILING DATE: 07.-UN-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US/08/477,727A
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
ATTORNEY, AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REFERECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                           US-08-477-727A-90
; Sequence 90, Application US/08477727A
; Patent No. 5739106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 28
US-08-477-727A-96
; Sequence 96, Application US/08477727A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: CA
COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPAGELIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 90: SEQUENCE CHARACTERISTICS: LENGTH: 37 amino acids TYPE: amino acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FRAGMENT TYPE: internal ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 619-552-84 TELEFAX: 619-552-0157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-00-992-549-16

Sequence 16, Application US/08892549

Patent No. 5998367

GENERAL INFORMATION:

TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND TITLE OF INVENTION: USES THEREFOR TITLE OF INVENTION: USES THEREFOR TITLE OF INVENTION: USES THEREFOR TITLE OF INVENTION: USES THEREFOR TITLE OF INVENTION: USES THEREFOR TITLE OF INVENTION: USES THEREFOR TITLE OF INVENTION: A STREET TOON & LYON & LYON STREET CITY: LOS ANGELES STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTHER INFORMATION: disulfide bridge between the Cys OTHER INFORMATION: residues at positions 2 and 7; CTHER INFORMATION: amidated Tyr at position 37 US-08-471-675A-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER FRAJABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/892,549
FILING DATE: 14-UL-1997
CLASSIFICATION DATA:
APPLICATION NUMBER: US/08/492
FILING DATE: 23-MAY-1995
APPLICATION NUMBER: 07/94,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US/067,040
FILING DATE: 108-MAR-1991
APPLICATION NUMBER: US/067,040
FILING DATE: 108-MAR-1991
APPLICATION NUMBER: US/067,040
FILING DATE: 08-MAR-1991
APPLICATION NUMBER: 227/006
TELECOMOUNICATION INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 227/006
TELECOMOUNICATION INFORMATION:
TELECOMOUNICATION INFORMATION:
TELECOMOUNICATION INFORMATION:
TELECOMOUNICATION INFORMATION:
TELECOMOUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KCNTATCATQRLANFLIHSSNNLGPILPPTNVGSNTY 37
APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-193
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
                                                                                                                                                                                        213/048
                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 21.
TELECHOMUNICATION INFORMATION:
TELEPHONE: 619-552-8400
TELEFAX: 619-552-0157
                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      90017
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96.5%; Score 195; DB 1; Length 37;
Best Local Similarity 94.6%; Pred. No. 5.6e-20;
Matches 35; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disulfide bridge between the Cysresidues at positions 2 and 7; amidated Tyr at position 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-471-675A-18

Sequence 18, Application US/08471675A

Patent No. 5795861

GENERAL INFORMATION:
APPLICANT: KOLterman, Orville
APPLICANT: RINK, TIMOCHA

TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: LOS ANGELES
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KCNTATCATQRLANFLVHSSNNLGPVLPPTNVGSNTY 37
        COUNTY: USA

ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: Diskette
COMPUTER: Diskette
COMPUTER: DEM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASESO Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,675A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY,AGENT INCRMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REFERENCE/POCKET NUMBER: 213/048
TELECOMMUNICATION INFORMATION:
TELECHONE: 619-552-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FEASESQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,675A
FILING DATE: OS-7UN-1995
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 1 SEQUENCE CHARACTERISTICS: LENGTH: 37 amino acids TYPE: amino acid STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION:
OTHER INFORMATION:
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1 Similarity 94.6%; Pred. No. 5.6e-20;
35; Conservative 1; Mismatches 1; Indels
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COUNTRY: USA

ZIP: 90017

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: Pacentin Release #1.0, Version #1.25

SOFTWARE: Pacentin Release #1.0, Version #1.25

SOFTWARE: Pacentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/302,069A

FILING DATE: 07-SEP-1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/118,381

FILING DATE: 07-SEP-1993

ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.

REGISTRATION NUMBER: 32,219

REFERENCE/DOCKET NUMBER: 209/146

TELECOMMUNICATION NUMBER: 209/146
                                                                                                                                                                                                                                                                                                                              RESULT 33
US-08-302-069A-11
| Sequence 11, Application US/08302069A
| Patent No. 61144304
| Patent No. 61144304
| APPLICANT: KOLTERMAN, Orville G.
| APPLICANT: KOLTERMAN, Orville G.
| APPLICANT: KOUNG Andrew A.
| APPLICANT: RINK, Timothy J.
| APPLICANT: RINK, Timothy J.
| TITLE OF INVENTION: METHODS FOR REGULATING TITLE OF INVENTION: GASTROINTESTINAL MOTILITY NUMBER OF SEQUENCES: 30
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: LYON & LYON STREET: 633 WP^-
                                                                                                                                                                                                                                                                                                                              1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                  disulfide bridge between
the Cys residues
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the Cys residues
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213/955-0440
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TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
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                                            OTHER INFORMATION:
COTHER INFORMATION:
LOCATION: 37
COTHER INFORMATION:
US-08-892-549-22
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CTHER INFORMATION:
US-08-302-069A-11
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OTHER INFORMATION:
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Matches 35; Conserv
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Patent No. 5998367
GENERAL INFORMATION:
APPLICANT: GARTA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
TITLE OF INVENTION: USES THEREFOR
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
SUFTARE: BM PC COMPATIBLE
SUFTARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FLING DATE: 14-VUL-1997
FLING DATE: 14-VUL-1997
APPLICATION NUMBER: 08/47,849
FLING DATE: 13-NOV-1991
APPLICATION NUMBER: 03/7/94,266
FILING DATE: 10-NOV-1991
APPLICATION NUMBER: 327/006
FLING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUFF: RADPORED J.
REGISTERATION NUMBER: 32.7/006
FREERRENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
THE FORMATION:
TH
                                                                                                                                                                                                                                                                                                                              | LOCATION: 37 | LOCATION: 37 | OTHER INFORMATION: amidated Tyr (Tyrosinamide) US-08-892-549-16
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                                                                                                                                                                                                                                                                                             disulfide bridge between
the Cys residues
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STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
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LENGTH: 37 amin
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TELEFAX: 213/955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 aming acids
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Best Local Similarity 94.64
Matches 35, Conservative
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TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                     TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
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MOLECULE TYPE: protein
FEATURE:
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OTHER INFORMATION:
                                                                                                                                                                                                                                                                LOCATION: 2,7
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STREET:
STREET:
CITY: LOS ANGELES
STREET
COUNTRY:
COUNTRY:
COUNTRY:
CONDUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
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COMPUTER: IBM PC compatible
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/118,381
FILING DATE: NOTSEP-1993
ATTORNEY/AGENT INPORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
                                                1 KCNTATCATQRLANFLVHSSNNLGPVLPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: KOLTERMAN, Orville G.
APPLICANT: YOUNG, Andrew A.
APPLICANT: YOUNG, Andrew A.
APPLICANT: RINK, Timothy J.
APPLICANT: BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESS:
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                                                                                                                                                                                                                                                   US-08-302-069A-17; Sequence 17, Application US/08302069A; Patent No. 6114304
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 213/>c
TELEFAX: 213/>c
TELER: 67-3510
INFORMATION FOR SEQ ID NO: 17
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 94.67
Matches 35; Conservative
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STRANDEDNESS: single
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OTHER INFORMATION:
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US-09-576-062A-11
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MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/576,062A
FILING DATE: 22-May-2000
CLASSIFICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/302,069
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DIFF: BRADFORD J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
GENERAL INFORMATION:

APPLICANT: YOUNG, Andrew A.

RINK, Timothy J.

BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
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RINK, Timochy J.
BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
GASTROINTESTINAL MOTILITY
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94.6%; Pred. No. 5.6e-20;
tive 1; Mismatches 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: KOLTERMAN, Orville G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17, Application US/09576062A Patent No. 6608029 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 94.00.
Conservative
35; Conservative
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MEDIUM TYBER PREADABLE FORM:
MEDIUM TYBER PROPRY disk
COMPUTER: IDEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARR: PATENTIAN Release #1.0, Version #1.25
CURSTY APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIFICATION: CUNROWN>
PRIOR APPLICATION: AUNROWN>
APPLICATION NUMBER: 08/892,549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KCNTATCATORLANFLVHSSNNLGPVLPPTNVGSNTY 37
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Pred. No. 5.6e-20;
1; Mismatches 1
                       PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/892,549
FILING DATE: cUnkcom>
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 09-NAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUTY: BRADEORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELEPRANICATION INFORMATION:
TELEPRAN: 213/955-0440
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 07/667,040 FILING DATE: 08-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: <UNKNOWN>
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 32,219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 22, Application US/09454533
Patent No. 6610824
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: DUFT, BRADFORD J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 94.6%;
Matches 35; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-454-533-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
96.5%; Score 195; DB 2; Length 37;
Best Local Similarity 94.6%; Pred. No. 5.6e-20;
Matches 35; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 16, Application US/09454533
Patent No. 6610824
GENERAL INPORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: USES THEREFOR
                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KCNTATCATQRLANFLIHSSNNLGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                     CURRENT APPLICATION DATA.

APPLICATION NUMBER: US/09/576,062A
FILLING DATE: 22-May-2000
CLASSIFICATION: «INKNOWN»
PRIOR APPLICATION NUMBER: 08/302,069
FILLING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILLING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION:
TELECHONE: 619/552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 90017
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION:
                                                                                      ZIP: 90017
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-576-062A-17
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US-09-454-533-16
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Gaps

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96.0%; Score 194; DB 1; Length 37; 97.3%; Pred. No. 7.7e-20; tive 0; Mismatches 1; Indels
                                                                                                                                                         Length 37;
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Fatent No. 5998367
GENERAL INFORMATION:
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
TITLE OF INVENTION: USES THEREFOR
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STREET: CALIFORNIA
                                                                                                                                                                                                         1; Indels
                              disulfide bridge between the Cys residues at positions 2 and 7; amidated Tyr at position 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER KEADMADLE FLORDY disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/892,549
FILING DATE: 19-VUL-1997
APPLICATION NUMBER: 08/47,849
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAMME: DUFT: BRADEORD J:
REGISTRATION NUMBER: 32.219
ATTORNEY/AGENT INFORMATION:
NAMME: DUFT: BRADEORD J:
REGISTRATION NUMBER: 32.219
                                                                                                                                                                                                                                                                                        1 KCNTATCATQRLANFLVRSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                          1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                         Score 194; DB 1;
Pred. No. 7.7e-20;
0; Mismatches 1
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the Cys residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 227
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
                                                                                                                                                      96.0%;
ilarity 97.3%;
Conservative
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INPORMATION POR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acids
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 97.3
Matches 36; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COCATION: 2,7
CTHER INFORMATION: 6
COTHER INFORMATION: 1
LOCATION: 37
CTHER INFORMATION: 8
US-08-92-549-13
                              OTHER INFORMATION:
CTHER INFORMATION:
CTHER INFORMATION:
US-08-471-675A-9
                                                                                                                                            Query Match
Best Local Similarity
Matches 36; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 90017
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US-08-892-549-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Indels
                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PATEMENT NO. 5,79981
GENERAL INFORMATION:
APPLICANT: Rink, Timothy
ITILE OF INVENTION: METHODS FOR REGULATING
ITILE OF INVENTION: METHODS FOR REGULATING
ITILE OF INVENTION: METHODS FOR REGULATING
ITILE OF INVENTION: METHODS FOR REGULATING
ITILE OF INVENTION: METHODS FOR REGULATING
ITILE OF INVENTION: METHODS FOR REGULATING
ITILE OF INVENTION: 30
CORRESSEE: 100 METHOS
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY: LOS ANGELES
STAFE: CA
COUNTRY: USA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETS
SOFTWARE: PASCED VERSION
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,675A
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J
REGISTRATION NUMBER: 213/048
PREGISTRATION NUMBER: 213/048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KCNTATCATQRLANFLIHSSNNLGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match

96.5%; Score 195; DB 2;
Best Local Similarity 94.6%; Pred. No. 5.6e-20;
Matches 35; Conservative 1; Mismatches 1
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acid
STRPE: amino acid
STRPE: amino acid
STRPE: amino acid
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; Sequence 9, Application US/08471675A
; Patent No. 5795861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKGT NUMBER: 21.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-552-8400
TELEFAX: 619-552-0157
                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                            LOCATION: 37
                                                                                                                                                                                                                                                                                                                                                                                                 US-09-454-533-22
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Gaps

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TYPE: amino acid
STRANDEDNESS: 817
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Best Local Similarity
Matches 36; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-302-069A-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-576-062A-8
                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
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                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
TITLE OF INVENTION: NOSS THEREFOR
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOGTWARE: PACHOLIN Release #1.0, Version #1.25
GURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/892,549
FILING DATE: 14-VUL-1997
CLASSIFICATION NUMBER: 08/447,849
FILING DATE: 12-MAY-1995
APPLICATION NUMBER: 07/794,266
FILING DATE: 13-MAY-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-MAR-1991
APPLICATION NUMBER: 32,219
REGISTRATION NUMBER: 32,219
KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                         1 KCNTATCATQRLANFLVRSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    disulfide bridge between
the Cys residues
                                                                                                                                                                               Sequence 38, Application US/08892549 Patent No. 5998367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 42
US-08-302-069A-8
; Sequence B, Application US/08302069A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION:
OTHER INFORMATION:
LOCATION: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: Bil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COCATION: 2,7
                                                                                                                           RESULT 41
US-08-892-549-38
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                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/302,069A
FILING DATE: 07-SEP-1994
CLASSIPPLCATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/118,381
FILING DATE: 07-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 209/146
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFHONE: 619/552-2200
TELEFAX: 2313/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 8. Application US/09576062A
Patent No. 6608029
GENERAL INPORMATION:
APPLICANT: KOLTERWAN, Orville G.
YOUNG, Andrew A.
RINK, Timochy J.
BROWN, Kathleen Ann Keiting
BROWN, Kathleen Ann Keiting
GASTROINTESTINAL MOTILITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 KCNTATCATORLANFLVRSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 37
OTHER INFORMATION: amidated Tyr (Tyrosinamide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             96.0%; Score 194; DB 2;
97.3%; Pred. No. 7.7e-20;
tive 0; Mismatches 1
APPLICANT: KOLTERMAN, Orville G.
APPLICANT: YOUNG, Andrew A.
APPLICANT: RINK, Timothy J.
APPLICANT: BROWN, Kathleen Ann Keiting
TITLE OF INVENTION: METHODS FOR REGULATING
TITLE OF INVENTION: GASTROINTESTINAL MOTILITY
NUMBER OP SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     disulfide bridge between
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the Cys residues
                                                                                                                                                                                         ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 213/955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: 2,7
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                      CITY: LOS ANGELES
STATE: CALIFORNIA
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RESULT 45
US-09-454-533-38
is Sequence 38, Application US/09454533
j Patent No. 6610824
j GENERAL INFORMATION:
j APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 96.0%; Score 194; DB 2; Length 37; Best Local Similarity 97.3%; Pred. No. 7.7e-20; Matches 36; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIAN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIFICATION: «UNKNOWN»
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KCNTATCATQRLANFLVRSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                          FILING DATE: cUnknown>
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: 07/667,040
FILING DATE: 19-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUTT, BRADFORD J.
REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
TELEFAX: 213/955-0440
TELEFAX: 213/955-0440
TELEFAX: 67-3510
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: «Unknown»
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US 07/667,040
FILING DATE: 08-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 90017
COMPUTER READABLE FORM:
                              CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/892,549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08/892,549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE
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                                                                                                           COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: RIOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CONTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/576,062A

FILING DATE: 22-May-2000

CLASSIFICATION: «Unknown»

PRIOR APPLICATION NUMBER: 08/302,069

FILING DATE: 07-SEP-1994

APPLICATION NUMBER: 08/118,381

FILING DATE: 07-SEP-1993

ATORNEY/AGENT INFORMATION:

NAME: UDFT, BRADFORD J.

REGISTRATION NUMBER: 32,219

REGISTRATION NUMBER: 32,219

REGISTRATION NUMBER: 32,219

TELEPHONE: 619/552-2200

TELEPHONE: 619/552-2200

TELEFAR: 213/955-0440
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3-09-454-533, Application US/09454533
Patent No. 6610824
GENERAL INFORMATION:
GENERAL INFORMATION: L. Et Al.
TIPLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: amidated Tyr (Tyrosinamide)
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-576-062A-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
COMPUTER: P10ppy disk
CMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DAIR:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATORLANFLVRSSNNFGPILPPINVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ch 96.0%; Score 194; DB 2; 1 Similarity 97.3%; Pred. No. 7.7e-20; 36; Conservative 0; Mismatches 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/09/454,533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-454-533-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE
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0; Gaps

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Gaps
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Pred. No. 1e-19;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 15, Application US/09454533
; Patent No. 6610824
; GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND
USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            95.5%; Score 193; DB 2; Length 36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: amidated Tyr (Tyrosinamide) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
                                                               FEATURE:

LOCATION: 1,6
OTHER INFORMATION: disulfide bridge between
OTHER INFORMATION: the Cys residues
LOCATION: 36
OCHER INFORMATION: amidated Tyr (Tyrosinamide)
                                                                                                                                                                                                                                                                                                                                                                                                   1 CNTATCATQRLANFLVHSSNNFGPILPPSNVGSNTY 36
                                                                                                                                                                                                                                                                                                                                                                      2 CNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/454,533
FILING DATE: 06-Dec-1999
CLASSIFICATION: UNKNOWN.
PRIOR APPLICATION CURLOWN.
APPLICATION NUMBER: 08/892,549
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: 07/794,266
FILING DATE: 19-NOV-1991
APPLICATION NUMBER: US/07/667,040
FILING DATE: 08-NAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: DUFT, BRADFORD J.
REFERENCE/DOCKET NUMBER: 227/006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 WEST FIFTH STREET
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 36 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 15:
                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 97.2%;
Matches 35; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                          MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: 36
          TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 47
US-09-454-533-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-454-533-15
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Fatent No. 5998367
GENERAL INFORMATION:
APPLICANT: GAETA, Laura S.L. Et Al.
TITLE OF INVENTION: NOVEL AMYLIN AGONIST PEPTIDES AND TITLE OF INVENTION: USES THEREFOR NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS: 41
CORRESPONDENCE ADDRESS: 41
CORRESPONDENCE LYON & LYON
STREET: 633 WEST PIFTH STREET
CITY: LOS ANGELES
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 96.0%; Score 194; DB 2; Length 37; Best Local Similarity 97.3%; Pred. No. 7.7e-20; Matches 36; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                         ;
COTHER INFORMATION: amidated Tyr (Tyrosinamide);
SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-09-454-533-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/892,549

FILING DATE: 14-JUL-1997

CLIASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/447,849

FILING DATE: 23-MAY-1995

APPLICATION NUMBER: 07/794,266

FILING DATE: 19-NOV-1991

APPLICATION NUMBER: US 07/667,040

FILING DATE: 19-NOV-1991

APPLICATION NUMBER: US 07/667,040

FILING DATE: 19-NOV-1991

APPLICATION NUMBER: 13-NOV-1991

APPLICATION NUMBER: 32-NOV-1991

APPLICATION NUMBER: 32-NOV-1991

APPLICATION NUMBER: 32-100

ATTORNEY AGENT INFORMATION:
NAME: DUFT, BRADFORD J.

REGISTRATION NUMBER: 32-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 KCNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 227/006
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
TELEFAX: 67-3510
INFORMATION FOR SEQ ID NO: 38
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acide
TYPE: amino acide
TYPE: amino acide
TYPE: amino acide
TYPE: amino acide
TYPE: amino acide
TYPE: amino acide
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/552-2200
TELEFAX: 213/955-0440
                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: protein
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TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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us-08-870-762b-1.rai

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SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
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STRANDEDNESS: single
TOPOLOGY: linear
MOLECTLE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
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        GENERAL INFORMATION:
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FRAGMENT TYPE: i
ORIGINAL SOURCE:
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US-08-477-727A-89
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                          Gaps
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                          Indels
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Best Local Similarity 97.2%; Pred. No. 1e-19;
Matches 35; Conservative 1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 KCNTATCATQRLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                            2 CNTATCATORLANFLVHSSNNFGPILPPTNVGSNTY 37
                                                                                   1 CNTATCATQRLANFLVHSSNNFGPILPPSNVGSNTY 36
                                                                                                                                                                                                                                             APPLICANT: Rink, Timothy
APPLICANT: Rink, Timothy
APPLICANT: Young, Andrew
APPLICANT: Beeley, Nigel
APPLICANT: Bricket, Kachryn
TITLE OF INVENTION: COMPOSITIONS
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSE: LYON & LYON
STREET: 633 WEST FIFTH STREET, SUITE 4700
CITY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match

95.5%; Score 193; DB 1;
Best Local Similarity 97.3%; Pred. No. 1.1e-19;
Matches 36; Conservative 0; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: DOS
SOFTWARE: PERESEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/477,727A
FILING DATE: 07-7UN-1995
CLASSIFICATION: 514
PRIGN APPLICATION NUMBER: JS-1219
RIGHARD ATE: APPLICATION NUMBER: APPLICATION NUMBER: JS-1219
REGERENCE/DOCKET NUMBER: 32,219
REGERENCE/DOCKET NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 32,219
REFERENCE/DOCKET NUMBER: 314/005
TELECOMMUNICATION:
TELEPHONE: 619-552-8400
                                                                                                                                                                                              Sequence 17, Application US/08477727A Patent No. 5739106 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 49

18-08-177727A-42

3 Sequence 42, Application US/08477727A

Perent No. 5739106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     internal
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: peptide HYPOTHETICAL: NO
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STATE:
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MEDICANT: YOUNG ANGLEW
APPLICANT: YOUNG ANGLEW
APPLICANT: YOUNG ANGLEW
APPLICANT: PELGAEL', KARINY
APPLICANT: PELGAEL', KARINY
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APPLICANT: OCONGESS
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CORRESSOR STATES
CORPETER READABLE PORM:
MEDINA TYPE INACCORDINAL
CORPETER READABLE PORM:
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### FILING DATE:

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Search completed: May 12, 2006, 15:23:38 Job time : 49 Becs

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